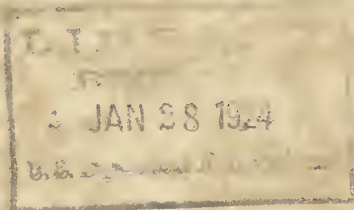


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MEYER SEED CO'S GARDEN



BOOK

14TH EDITION

1924



THE MEYER SEED CO.

32 LIGHT ST.
BALTIMORE, MD.



Fourteenth Annual Edition The Meyer Seed Co.'s Garden Book for 1924

(Formerly the Meyer-Stisser Company)

JOHN F. MEYER,
President and Genl. Mgr.

WE TAKE THIS OPPORTUNITY

of thanking our many customers for their generous patronage in the past, and to assure them that we will continue to do all in our power to merit their confidence in the future. We have been in business thirteen years and have made continuous strides. This was in large measure due to our many customers, who consistently favored us with their patronage. Our greatest asset has been and is "Our Satisfied Customers."

Our whole efforts and time are unsparingly devoted to uphold the reputation which we have established, and we shall ever be on the alert to support our motto: "Punctuality, Sterling Quality, Courteous Treatment."

PLEASE READ!

We aim to give our customers the best service possible. If we make an error, tell us about it and we'll make it right to your satisfaction. If there is any information you want in our line of business, write us (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture, or agriculture. Always write inquiries on a sheet separate from your order; it means quicker reply.

The attention of our customers is respectfully called to the following directions, which will, if followed, be an aid to purchasers as well as ourselves.

Please Order Early—

thus enabling us to forward promptly—as a rule the day after the order is received. During the March and April rush we may fall a day or two behind; if any greater delay is likely, we will advise.

The Order Blanks accompanying this catalog will be convenient for customers and facilitate our filling orders (extra ones mailed on request).

Remittances

Remittances should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter.

Accounts

Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation.

We Forward As Customer Directs—

by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

Shipping and Packing Charge

We Make No Charge for Shipping and Carting of goods to any railroad station, steamship line or express office. All packing charges at cost.

Order by Telephone

Our Phone Number is Plaza 6916.

IMPORTANT NOTICE—PLEASE READ

The Meyer Seed Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants they send out, and will not be responsible for the crop.

Prices are subject to any advances over present prevailing freight rates, customs duties or war tax, and all deliveries are subject to delay, restrictions, embargoes, crop shortages and all conditions beyond our control. All quotations are made and all orders are booked subject to the above conditions.

Merchandise to be credited must be returned within 5 days in good order free of expense to us.

Add Postage to Parcel Post Orders

When seeds are ordered by mail, postage must be added to catalog prices at the regular parcel post rate, according to the zone the purchaser is in. One quart of Peas and Beans, weighing about 2 pounds each, and Corn about 1½ pounds. Packages and ounces are mailed postpaid.



Pounds	Local	1st	2nd	3d	4th	5th	6th	7th	8th
1	\$.05	\$.05	\$.05	\$.06	\$.07	\$.08	\$.09	\$.11	\$.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.07	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.84
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

Parcel Post Shipments

Freight limit to 1st, 2d and 3d Zones, 70 lbs.; in other zones, 50 lbs. 4 oz. or less 1 cent per oz., regardless of distance.

Bulk limit to all zones, 34 inches in combined length and girth. Poisons cannot be sent by Parcel Post.

Liquids and goods packed in glass should be sent by express.

Positions for Gardeners, Estate Superintendents, Etc.

Frequently we have on our register the names of competent Gardeners, Superintendents, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed.



Members of ASSOCIATION OF ARMY & NAVY STORES, Inc.

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Spraying Table

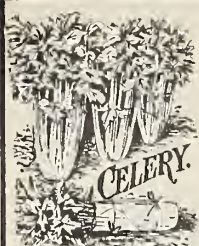
WHAT TO SPRAY AND WHAT TO SPRAY FOR	SPRAY WITH	TIME OF FIRST SPRAYING	TIME OF SECOND SPRAYING	TIME OF THIRD SPRAYING
APPLES—				
Bitter Rot.....	Bordeaux mixture.....	First appearance of rot.....	One to two weeks later.....	Two weeks later.
Canker Worm.....	Arsenate of lead, paris green, pyrox.....	On first appearance of worms...	Two or three days later if worms remain.....	Same as second.
San Jose Scale.....	Scalecide or Commercial lime- sulphur.....	Just as the leaf buds are swell- ing.....	Just before the flower buds open.	As soon as the petals have fallen.
Scab.....	Scalecide or lime-sulphur.....	After the leaves have come out, but before the flower buds ap- pear.....	Within eight days from the time petals drop.....	One month later
Codling Moth.....	Arsenate of lead, pyrox.....	Within eight days from the time the petals drop.....	One month later.	
ASPARAGUS—				
Beetle.....	Arsenate of lead, pyrox.....	Early spring.		
Rust.....	Bordeaux mixture.....	After cutting crop.....	Ten days later.....	Ten days later.
CABBAGE AND CAULI- FLOWER.....				
Slug Shot, Bug Death, Pyrox...	Slug Shot, Bug Death, Pyrox...	On first appearance of worms...	Whenever worms are noticed.	
CELERY.....				
CHERRY—				
Aphis.....	Kerosene emulsion.....	At first appearance.....	Repeat as necessary.	Before or after transplanting.
San Jose Scale.....	Scalecide or Commercial lime- sulphur.....	Spray same as for apples. Just before blossoms open.....	When fruit is free from calyx.	
Leaf-spot.....	Scalecide or lime-sulphur.....			
CUCUMBERS—				
Anthraxnose.....	Bordeaux mixture, pyrox.....	When plants begin to run.....	Two weeks later.....	Two weeks later.
Downy Mildew.....	Bordeaux mixture.....	When plants begin to run.....	Ten days later.....	Nine days later
CURRENT.....				
Leaf-spot.....	Bordeaux mixture.....	As leaves are unfolding.....	Two weeks later.....	Two weeks later.
Worm.....	White hellebore, pyrox.....	When they first appear.....	In three or four days.....	Repeat three or four days later.
GOOSEBERRY—				
Leaf-spot.....	Bordeaux mixture.....	Before leaves start.....	Two weeks later.....	Two weeks later.
Worm.....	Same as for currants.			
Mildew.....	Grape dust.....	When buds are breaking.....	Repeat every ten days until fruit is gathered.....	
GRAPE—				
Anthraxnose.....	Bordeaux mixture.....	Just before the buds open.....	Just before blossoming.....	After fruit has set.
Berry Moth.....	Arsenate of lead.....	Before blossoms are ready to open.....	After blossoms have fallen.....	Ten days later.
Downy or Powdery Mildew...	Bordeaux mixture.....	Just before blossoming.....	After fruit has set.....	Ten days later.
Rot.....	Bordeaux mixture.....	Just before blossoming.....	Just after fruit has set.....	Eight days later.
MUSKMELON—				
Anthraxnose.....	Bordeaux mixture, pyrox.....	When plants begin to vine.....	Two weeks later.....	Two weeks later.
Downy Mildew.....	Bordeaux mixture.....	July 25 to August 1.....	Ten days later.....	Nine days later.
Leaf-blight.....	Bordeaux mixture.....	When plants begin to vine.....	Three weeks later.....	Three weeks later
PEACH—				
Leaf-Curl.....	Scalecide, lime-sulphur or bor- deaux mixture.....	In March or April, or both, to make doubly sure.....	Two or three weeks later.	
Brown Rot.....	Self-boiled lime-sulphur and arsenate of lead.....	About time shucks are shed- ding from young fruit or on first appearance.....		About one month before fruit ripens. Omit arsenate of lead.
Scab.....	Bordeaux mixture.....	Just as buds begin to swell....	After fruit has set.....	Repeat later when fruit is about half grown.
San Jose Scale.....	Scalecide or lime-sulphur.....	Spray same as for apples		
PEAR—				
Leaf-blight.....	Bordeaux mixture.....	Cut out the branches on first appearance on twigs.		
Psylla.....	Kerosene emulsion or whale-oil soap.....	In winter use commercial lime- sulphur for eggs.	After blossoms fall.....	Repeat at intervals of three to seven days.
PLUM—				
Curculio.....	Arsenate of lead.....	With starting of buds.....	Just after blossoms drop.....	Five days later.
Aphis.....	Whale-oil soap.....	On Appearance of Aphis.		
Shot-hole Fungus.....	Scalecide, lime-sulphur or bor- deaux mixture.....	When leaves are half grown....	Three weeks later.....	Three weeks later if necessary.
Rot.....	Bordeaux mixture.....	As buds are swelling or on ap- pearance.....	Just after calyx drops.....	Three or four weeks later.
POTATO—				
Early blight.....	Bordeaux mixture, pyrox.....	When plants are 6 inches high..	Seven to ten days later.....	Two weeks later.
Late blight.....	Bordeaux mixture, pyrox.....	As for early blight to July.....	July 15 to 20.....	Two weeks later.
Potato Beetle.....	Paris green, micro, slug shot bug death, pyrox.....	When pest appears.....	Repeat if necessary.	
RASPBERRY—				
Anthraxnose.....	Bordeaux mixture, pyrox.....	Before leaves open.....	When new canes are 6 to 8 inches high.....	Ten days later.
Saw-fly.....	Paris green and arsenate of lead or hellebore.....	When pest appears.....	Repeat in three or four days.	
Leaf-spot.....	Bordeaux mixture.....	When leaves are half grown....	Two weeks later.....	Two weeks later.
ROSE—				
Leaf-spot.....	Bordeaux mixture.....	On first appearance of fungus...	Two or three weeks later.....	Repeat if necessary.
Mildew.....	Powdered sulphur.....			
Slug.....	Thanatus, black leaf 40. Nicofume Liquid.....	On appearance of slugs.....	Repeat if necessary.	
STRAWBERRY—				
Leaf-spot.....	Sulphate of iron, bordeaux mix- ture.....	Soon after growth begins.....	Make three or four sprayings during season.....	The following spring spray just be- fore blossoming and again 10 days later.
SQUASH—				
Aphis.....	Kerosene emulsion.....	Spray under side of leaves.		
Lady Beetle.....	Arsenate of lead, pyrox.....	As soon as pest appears.		
TOMATO—				
Anthraxnose.....	Bordeaux mixture, pyrox.....	Soon after fruit begins to set	Three weeks later.....	Three weeks later.
Leaf-blight.....	Whale-oil, soap and water.....	Three weeks after transplanting	Three weeks later.....	Three weeks later.
White Fly.....	Bordeaux mixture.....	Spray underside of leaves thoroughly.		

Gentlemen,—Am enclosing a sample from the seed you sent me this last Spring. My garden was a blooming success, not one seed did I have to replant.

The Bantam Corn, I had an elegant crop. The Country Gentleman Corn is now just coming in with two developed ears to each stalk. The Yellow Beans were prolific; have had three plantings of radishes; cucumbers are fine and nice.

Only had six rows of Lima Beans, each 40 feet long, from which I have picked over five bushels of pods. Still have about three bushels of pods on the vines.

(Signed) HERBERT SAXTON.



Vegetable Plants and Roots

SPECIAL NOTICE

All of our plants are produced from our M. & S. Sure Growing Seeds, and will give wonderful results. If wanted in larger quantities, write for special quotations.

ARTICHOKEs (Ready in April)

Jerusalem—Used for the table and stock feeding. Qt. 35c; peck \$1.50; per bushel of 60 lbs. \$5.00.

ASPARAGUS ROOTS (Ready Oct. 15 to May 15)

The two-year-old roots usually produce two years after planting.

2-Year-Old Roots.	Doz.	100	1000
Argentuil (White Stalks)	\$0.30	\$1.25	\$10.00
Barr's (Green Stalks)	0.30	1.25	10.00
Conover's (Green Stalks)	0.30	1.25	10.00
Palmetto (Green Stalks)	0.30	1.25	10.00
Washington (Green Stalks)	0.75	2.75	25.00

BEEt PLANTS (Ready April 1)

Popular Varieties—15c doz.; 60c per 100; by mail, add 5c to doz.; 15c to 100.

BORECOLE PLANTS (Ready July 1)

20c doz.; 60c per 100; by mail, add 5c to doz.; 15c to 100.

BRUSSELS SPROUTS (Ready in July)

Matchless Improved—12 for 25c; 75c per 100; per 1000, \$6.00. If wanted by mail, add 10c per 100 for postage; 5c per doz.

FROST-PROOF CABBAGE PLANTS

Our FROST-PROOF CABBAGE PLANTS mean increased profits for the Market Gardener, and earlier cabbage for the Home Gardens, as they produce heads at least two or three weeks earlier than plants grown in hot beds or cold frames. These FROST-PROOF CABBAGE PLANTS are grown out in the open field without protection along the Atlantic Coast, thus being hardened as they grow by the season's cold. During the transplanting period they are practically dormant and can be shipped thousands of miles in good condition. They are tough and hardy and will stand any reasonable cold, even as low as 20 degrees above zero without damage to them.

These plants do not begin any new growth of their tops until the spring weather arrives, however, the roots of the plants have become so firmly established that the warm spring sunshine soon hastens the growth of them. The fact that the root conditions are so well provided for and a hardy top ready to begin growth insures you of a crop of mature heads weeks earlier than plants grown from seed sown in your hot beds or cold frames. On account of this earlier maturity your crop of cabbage will be marketed long before the average cabbage grower markets his, hence your increased profits.

We advise all cabbage growers to set these plants at least a month to six weeks earlier than you would set home grown plants to get the desired results.

These plants are shipped direct to you from our growing stations along the Atlantic Coast, and we advise you to send in your order about a week or ten days before plants are wanted, as it takes a few days to get plants to you.

You risk nothing in sending in your order to us for these plants as we positively guarantee good order delivery, full count and complete satisfaction or your order duplicated free or money refunded. Terms cash with order. No plants shipped C. O. D.

Varieties—Early Jersey Wakefield, Charleston Large Wakefield, Succession and Large Flat Dutch. Plants are ready for shipment from November to June.

Prices by parcel post prepaid: 50c per 100; 500 for \$1.75; 1000 or more at \$3.25 per 1000 plants.

By express charges collect: \$2.00 per 1000; 10,000 lots and over at \$1.50 per 1000, cash with orders.

CABBAGE PLANTS (Season beginning April 1)

Early Sorts—From hot beds. 15c per doz.; 50c per 100; per 1000, \$4.00.

Late Sorts—Popular varieties. 15c doz.; per 100, 50c; \$4.00 per 1000. If cabbage plants are wanted by mail, add 10c per 100 for postage; 5c doz. Ready May 1st.

CAULIFLOWER PLANTS (Ready April 1)

Snowball variety only—From hot beds. 25c per doz.; \$1.50 per 100. By mail, add 5c per doz., or 10c per 100 for postage charges.

CELERY PLANTS (Ready in July)

M. & S. Monarch, Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 25c dozen; 75c per 100; \$6.00 per 1000. By mail, allow 10c per 100 for postage; 5c per dozen.

EGG PLANTS (Ready after May 1)

Sold in pot-grown stock only.

M. & S. Ebony King and Black Beauty—7c each; 75c doz.; \$5.50 per 100. Best sent by express. Mail, add 2c to each plant.

HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian)—Large, strong cuttings, 35c per doz.; per 100, \$1.00; \$7.00 per 1,000. If Horse Radish are wanted by mail, add 10c per 100 for postage; 5c per doz.

KOHL RABI PLANTS (Ready April 1)

Early White Vienna—20c doz.; 75c per 100; by mail, add 10c per 100; 5c doz.

LETTUCE PLANTS (Ready April 1)

Leading varieties—10c doz.; 50c per 100; \$4.00 per 1,000. If wanted by mail, add 10c per 100 for postage; 5c doz.

MINT—20c per Clump

PEPPER PLANTS (Ready in May)

Ruby King and Chinese Giant (sweet), Bull Nose (hot), and Long Red Cayenne—Hot Bed Grown. 25c per doz.; per 100, \$1.50. By mail, add 10c 100; 5c doz. Potted plants, sweet varieties only, 6c each; 60 doz.; \$4.50 100; if to go by parcel post add 1c to each plant.

RHUBARB ROOTS (Ready October to May 15)

Victoria—First Size Roots. 10c each; \$1.00 per doz.; per 100 \$7.50. Allow 5c each or 20c dozen for postage, if wanted by mail.

SWEET POTATO PLANTS (Ready in April)

Yellow Big Stem and Up Rivers—50c per 100; 1,000, \$4.00. If wanted by mail, allow 15c per 100 for postage.

TOMATO PLANTS (Ready after April 15)

Pot-Grown Plants in the following varieties only: Earliana M. & S. Incomparable, M. & S. Big Chief, Stone, 5c each; doz. 50c \$4.50 per 100. By mail, add 2c per plant.

Hot-Bed Plants all kinds and the best as above. 20c per doz. per 100, 60c. By mail, allow 5c per doz.; 15c per 100.

Asparagus—Seeds and Roots

(German—Spargel. French—Asperge)

(ROOTS READY AFTER MARCH 1st)

One ounce to forty feet of drill; 5 lbs. per acre.

7,300 Asparagus Plants are needed to plant an acre.



Asparagus Giant Argenteuil.

CULTURE—Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, topdress with six inches of manure. For market on a large scale, set out four by one and one-half feet. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slacked lime or paris-green.

Giant Argenteuil—A new and entirely distinct variety that produces shoots that are very thick, green, with a purple tinge, heads

slightly pointed, close. Pkg. 5c and 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

Columbian Mammoth White—Pkg. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Washington—This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust-free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor. Pkt. 10c; oz. 40c; ¼ lb. \$1.50; lb. \$5.00.

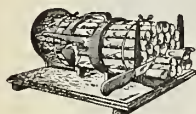
Conover Colossal—Of large size, tender and of excellent quality. Green shoots. Pkg. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

PALMETTO

It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

For Plants, see page 4.

Accessories for Asparagus Culture



PRICES
SUBJECT
TO
CHANGE

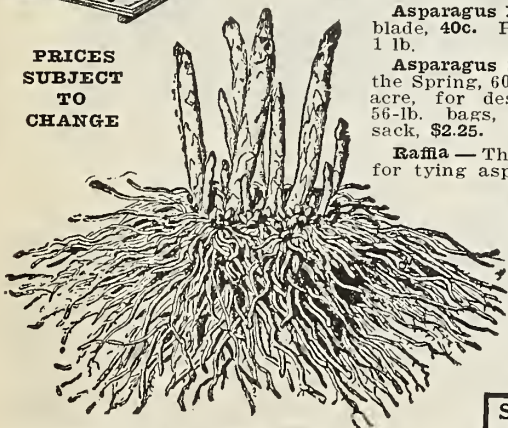
Asparagus Buncher—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$4.00. Parcel post weight, 8 lbs.

Asparagus Knife—V-shaped blade, 40c. Parcel post wt., 1 lb.

Asparagus Salt—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 56-lb. bags, \$1.25; 140 lb. sack, \$2.25.

Raffia—The ideal material for tying asparagus, 20c per lb. in hanks. Special price in quantity; hank runs about 2½ pounds.

Jute Twine—Very soft and pliable. 15c per ball. Special price on quantities on application.



Two-Year-Old Asparagus Plants, see page 4.

STIMULANT
Makes a
WONDER GARDEN

Use Manure for your garden crops. We can sell you a whole wagon load in a bag of M. & S. Sheep or Cattle Manure, for much less money.

Artichokes

Large Green Globe—

This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt. 10c; oz. 50c.

Artichoke Roots (Jerusalem)—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk.

Price, see page 4.



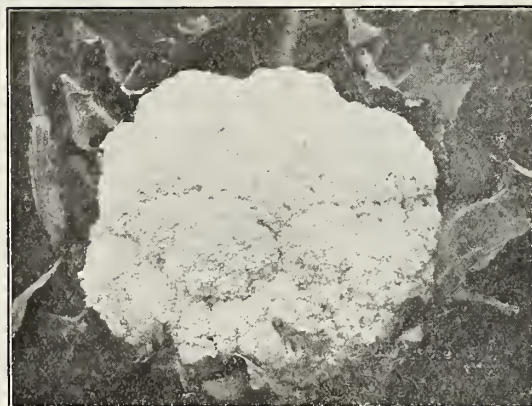
Large Green Globe Artichokes.

Broccoli

(German—Spargelkohl)
(French—Buocoli)

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

One ounce of seed to 200 feet of row.



Early Large White Broccoli.

Early Large White—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c; oz. 50c.

Early Purple Cape—Rather harder sort, with greenish-purple heads, good flavor. Pkt. 10c; oz. 50c.

Brussels Sprouts

(German—Rosenkohl)
(French—Choux de
Bruzelle)

A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.



Improved
Dwarf
Brussels
Sprouts.

Improved Dwarf—Produces compact sprouts of finest quality; a good keeper. Pkt. 5c and 10c; oz. 20c; ¼ lb. 75c; lb. \$2.00.

For Plants, see page 4.

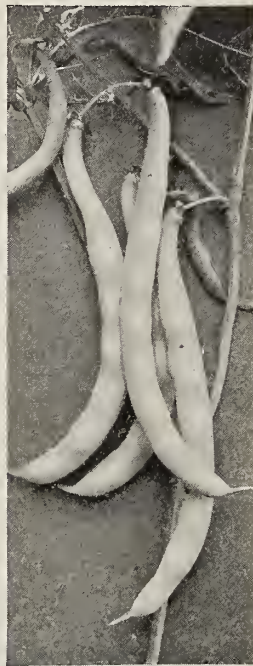
BEANS—Bush Beans (Green Pod)(German—Bohnen.
French—Haricot Vert)**Bushel prices of Beans on application.**

CULTURE—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre. We furnish 5c and 10c packages of all Beans.

Burpee's Stringless Green Pod—An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

Hopkins Improved Extra Early Red Valentine—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. **Pt. 30c; qt. 50c; pk. \$3.00.**

Black Valentine, or May Queen—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

**Hodson Wax Beans.****M. & S. Giant Stringless
Green Pod Beans**

Of finest quality, large handsome pods, some of which measure fully 6 inches in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

Full Measure—A recent introduction. Heavy light green foliage. Very prolific. Pods 5½ to 6 inches long, stringless, round, slightly curved, very good quality. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

Dwarf Horticultural, or Cherry—This is a broad, long, flat, meaty bean, very productive, of delicious flavor; absolutely stringless. It also makes a good dried bean for winter. **Pt. 30c; qt. 50c; pk. \$3.00.**

White Navy, or Boston Pea Beans—Yields large quantities of white shell beans, which are used for baking. **Pt. 20c; qt. 35c; pk. \$2.00.**

We furnish 5c and 10c packages of all Beans.



Farmogerm Nitrogen Fixing Bacteria for all kinds of Beans—Means bigger crops, healthier vines, early and more continuous crops. **Garden size, 50c; \$1.00 per acre bottle; 3 acres, \$2.50; 12 acres, \$9.00.** It will pay you to use this when you plant peas and beans. (See index.)

**Dwarf Horticultural, or
Cherry Beans.****Wax Pod Varieties**

M. & S. SURE CROP STRINGLESS WAX—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. **Pt. 30c; qt. 50c; pk. \$3.00; bu. \$10.00.**

Hodson Wax—A fine strong growing bean. Pods 6 inches long, golden waxy color. Nearly straight, thick, flat and meaty. **Pt. 25c; qt. 40c; pk. \$2.25; bus. \$7.50.**

Currie's Rust-Proof Black Wax—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

Dwarf Black Wax—Pencil pod strain. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. **Pt. 25c; qt. 40c; pk. \$2.50; bus. \$8.00.**

Wardwell's Kidney Wax—In growth of vine and productiveness this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. **Pt. 25c; qt. 40c; pk. \$2.50; bu. \$8.00.**

Improved Golden Wax—Small plants of erect growth, bearing flat thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

Round Pod Kidney Wax—This mid-season variety is exceedingly handsome and very desirable, especially for snaps for the home garden. Vines dwarf, spreading and very productive. Leaves roughened. Pods long, slightly curved, light yellow, wax-like, stringless and of the best quality. They are uniformly perfect, an ill-shaped one being rarely seen. Seed long, cylindrical, medium-sized, nearly white, with a little dark marking about the eye. **Pt. 25c; qt. 40c; pk. \$2.25; bus. \$8.00.**

Davis White Kidney Wax—Pods remarkably straight, long and handsome, waxy white color; enormously productive; seed white. **Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.**

**M. & S.
Sure Crop
Stringless
Wax.****Burpee's Stringless Green Pod Beans.****Pole String Beans (GREEN AND WAX POD)**

CULTURE—Same as Pole Lima. **M. & S. Golden Cluster Wax**—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. **Pt. 30c; qt. 60c; pk. \$3.00.**

Yard Long, or Snake Beans—This is an ornamental as well as useful pole bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from two to three feet long, which when cooked make a delicious dish. Seeds very small. **Pkt. 5c and 10c; oz. 25c.**

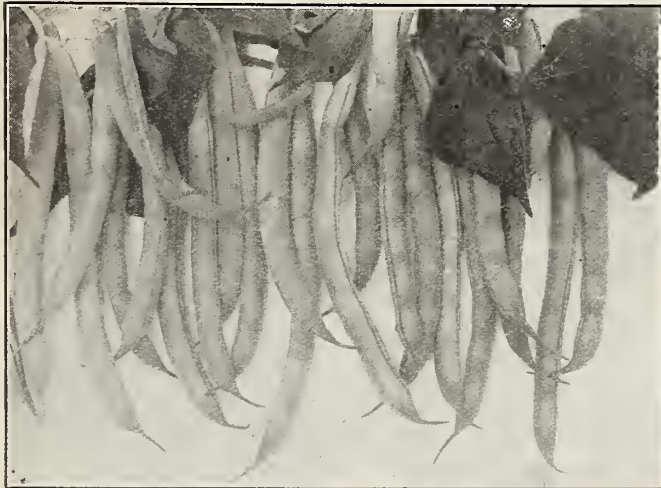
Horticultural or Pole Cherry—Pods green, dashed with red when beans are matured. Very showy. **Pt. 30c; qt. 50c; pk. \$3.00.**

Relay P. O., Md., July 15, 1923.

Gentlemen,—The Burpees Stringless Green Pod Beans which I purchased from you and planted turned out wonderful. They turned out more than a hundred-fold and I made lots of money on them. Do not hesitate to recommend them to any trucker.

Yours for success,

JOHN ROYE.



Kentucky Wonder, or Old Homestead.

Kentucky Wonder, or Old Homestead—The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pt. 30c; qt. 50c; pk. \$3.00.

Lazy Wife, or White Cherry—Pods 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Pint 30c; quart 50c; peck \$3.00.

M. & S. Kentucky Wonder Wax—Same as above with exception of beautiful yellow pods. Pt. 30c; qt. 50c; pk. \$3.00.

English, or Broad Windsor Beans

CULTURE—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy. Pt. 35c; qt. 60c; pk. \$4.00.

We can furnish 5c and 10c packages of all Beans.

F&M OGERM Nitrogen-Fixing Bacteria means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 3 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)

Bush Lima Beans

1 qt. to 100 feet of drill.

CULTURE—Plant in rows two feet apart, and about one foot apart in the rows.

M. & S. Enormous Bush Lima Beans—As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pt. 35c; qt. 60c; pk. \$4.00; bus. \$15.00.

Henderson's Dwarf Lima—Beans are small(but their flavor is excellent. Pt. 30c; qt. 50c; pk. \$3.00.

Burpee's Bush Lima—Pods abundantly and well filled with handsome beans. Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.

Fordhook Bush Lima—Beans large, round, thick, green and of delicious flavor, bearing in clusters of from four to eight, averaging four large beans to the pod. Pt. 40c; qt. 80c; pk. \$6.00.

Pole Lima Beans

CULTURE—These require pole 8 to 10 feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant 4 to 6 beans, about 1 inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 quart to 100 poles.

KING OF THE GARDEN

Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor. Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.

Dreer's Improved, or Potato Lima—Beans round and thick, of delicious flavor, easy to shell, immense crop. Pt. 30c; qt. 50c; pk. \$3.50.

Carpenteria Early Lima—Very fine, immense beans, which retain their green color a long while. Pt. 30c; qt. 50c; pk. \$3.00.



M. & S.
Enormous Bush Lima.

TABLE BEETS

(German—Rote Rueben. French—Bette)

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

CULTURE—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as June. When the plants have at-

tained three or four inches in height, thin out so that they stand five to six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

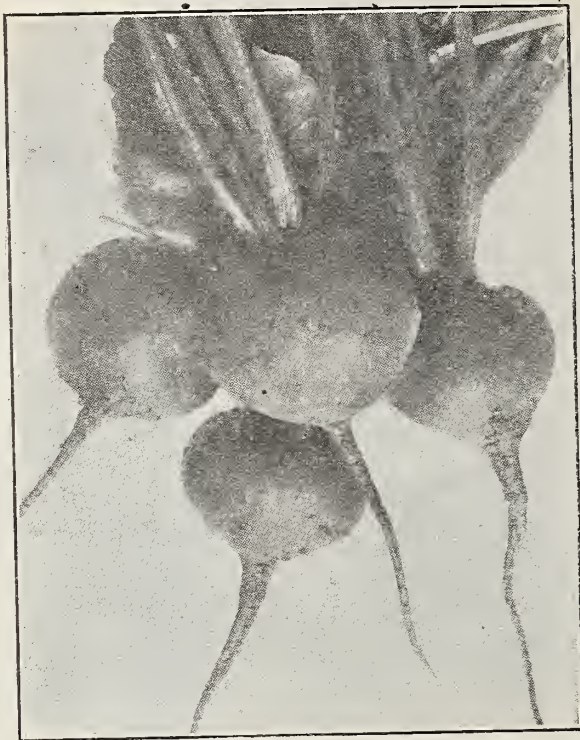


M. & S. Strain Detroit Dark Red Beets.

Rossville, Md., October 15, 1923.

Gentlemen,—The M. & S. Strain Detroit Dark Red Beet which I purchased from you in the spring turned out to be the best beet I have seen for some time. They all ran true to color and cut fine and it was a pleasure for me to walk from one row to another and see them growing. The other seed, such as beans, tomatoes, cabbage, spinach, etc., also gave me wonderful results and I do not hesitate to recommend them.

MR. E. RUTOWSKI.



M. & S. Early Marvelous Beet.

"M. & S." EARLY MARVELOUS BEET

The Ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 inches around with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy, and always tender and sweet; excellent for canning. Pkg. 5c and 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Extra Early Flat Egyptian—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.

Crosby's Improved Egyptian—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Extra Early Eclipse—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table qualities. Makes an attractive seller in market. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Edmand's Blood Turnip—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome; tops are small; of good marketable size. Color dark red, flesh purplish, crisp, tender and sweet. An excellent keeper. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Detroit Dark Red Beet—A blood red, carly, turnip-shaped variety. Has small upright top; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth and a particularly desirable sort for truckers and market gardeners. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



Detroit Dark Red Beet.

M. & S. Strain Detroit Dark Red Beet—Like the Detroit Dark Red, but runs more uniform in shape and color, positively the best beet for the truck farmer, as they always bring top-notch prices on the wholesale market, or at the packers. Oz. 15c; ¼ lb. 35c; lb. \$1.35; larger quantities at \$1.25 per lb.

Long Smooth Dark Blood—This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.

BEET PLANTS, see page 4.

Crimson Globe—A second early variety, does not grow large and coarse, the matured beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

SWISS CHARD, See page 22.

Cow Beets**MANGEL-WURZEL**

(German—Runkelrueben)
(French—Betterave)

Used for feeding cattle.
Sow five pounds per acre.

CULTURE—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 ins. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

Golden Tankard—The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Improved White Sugar Beet—An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz. 10c; ¼ lb. 20c; lb. 60c; 5 lbs. \$2.50.

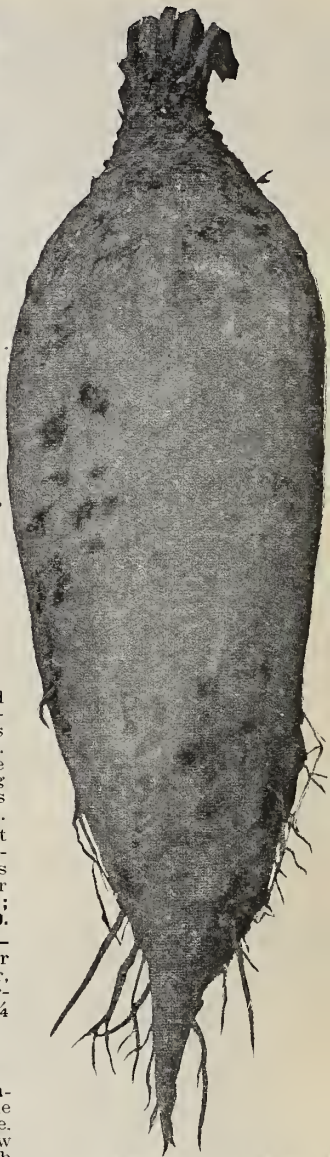
Sludstrup Barres Mangel

Recently introduced from Denmark. The finest, largest and the most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Jumbo Mangel—Immense, long, red, very fine quality. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Gate Post Mangel—Large, yellow, excellent sort. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Mammoth Long Red—This is an enormously productive variety yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red mangel and very valuable for stock feeding. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.



Gate Post Mangel Beet



Golden Tankard.

M. & S. CHOICE CABBAGE SEED

(GERMAN—KOPFKOHL. FRENCH—CHOU)

One ounce will produce about 2,500 plants; one-quarter pound for transplanting an acre.

Culture—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

Early Varieties

M. & S. COPENHAGEN MARKET—A valuable new early cabbage from Denmark, producing a large globe-shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

New Early—The largest of the early cabbage. The head is roundish flat and remarkably solid. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

Early Flat Dutch—A dwarf-growing type, principally used for early summer. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**



Early Jersey Wakefield Cabbage

Early Jersey Wakefield—The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

Large Charleston Wakefield—Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, but matures one week later. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

Early York—Resembles the Early Wakefield somewhat, but the heads are more pointed and not so early. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Early Winnigstadt—One of the best medium early pointed cabbages, very hearty and heading. Heads of good size, very hard and of excellent quality. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

All Head Early—A thoroughbred sort, especially recommended on account of its uniform size and shape and reliability for heading. Makes a deep, flat head, solid and uniform in color, shape and size. In tenderness it is unsurpassed. Can be grown either for summer or winter use. By reason of its compactness it can be planted closer and will yield more heads to the acre than varieties of a spreading habit. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Second Early Varieties

Early Drumhead—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Henderson's Early Summer—The leaves have a more bluish cast than other cabbages; the heads are roundish flat. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Succession—A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Surehead—As its name indicates, this is a sure header and one of the most reliable main crop and late cabbages. Heads are large, thick, somewhat flattened, very uniform in size and color, firm and solid, keeps well and makes a splendid shipper. Heads ordinarily weigh 10 to 12 pounds each, and of the finest quality. Surehead has all the good qualities that make for a first-class main crop cabbage. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**



Copenhagen Market.

Late, or Winter Varieties

All seasons. (Vandergaw)—A very large head, round and solid. It is valuable for Summer or Winter use. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Danish Ballhead—An elegant medium late variety. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

Late Flat Dutch—Improved Strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

Large Late Drumhead—Much like the above except the heads are not quite as large nor as flat. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

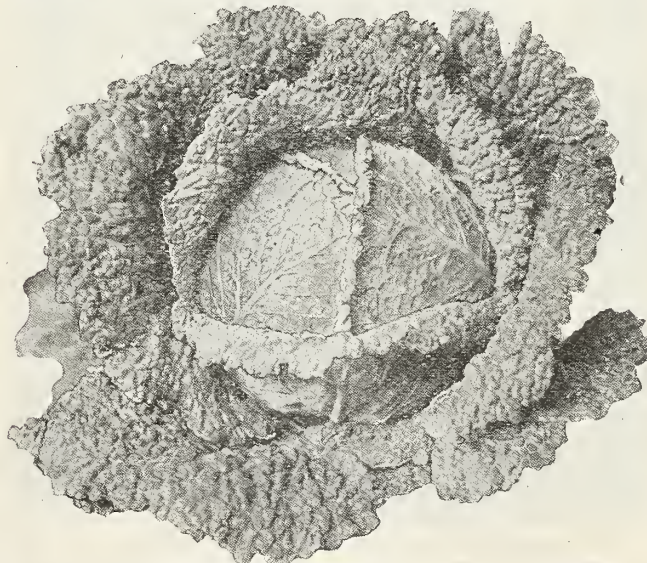
Red Dutch Drumhead—A red variety, used extensively for pickling. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

Perfection Drumhead Savoy—A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

Chinese Celery Cabbage

Pe Tsai—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. **Pkt. 10c; ½ oz. 25c; oz. 45c; 2 ozs. 75c; ¼ lb. \$1.25.**

Wong Bok—Similar to the above; considered more choice by a great many. **Pkt. 10c; ½ oz. 25c; oz. 45c; 2 ozs. 75c.**



M. & S. PERFECTION DRUMHEAD SAVOY CABBAGE
(German—Wirsing Kohl. French—Choufrise.)



M. & S. Southern Pride Carrot

Carrot

(German—Moehre oder Gelbe Rube. French—Carotte)

One ounce to 100 feet of row. 2 or 3 lbs. to acre.

Culture—A light, loamy soil that has been well manured the previous year is preferred for growing carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

M. & S. SOUTHERN PRIDE—An ideal medium early, stump-rooted Carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best carrot for home garden or market. Advisable for truckers. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

Parisian Forcing—Extremely early, of small size, but very sweet, tender and beautiful orange-red color. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

Chantenay—Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Pride of Market Carrot—Similar to the above. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Danvers, or Half-Long Orange—Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

M. & S. Strain Danvers Carrot—Like the above, but runs more uniform in shape and darker in color. Advisable for truckers. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Guerande, or Oxheart—A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Long Orange Improved—The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

White Belgian—Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for turning under, being a valuable humus maker. It is 8 to 10 inches long, has green top. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



M. & S. Early Snowball Cauliflower.

Cauliflower

(German—Blumenkohl. French—Chou-Fleur)

One ounce of seed for 1,500 plants.

Culture—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows four feet

apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

M. & S. EARLY SNOWBALL—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt. 10c, 25c and 50c; oz. \$1.50.

Dry Weather or Danish Giant—The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 10c, 25c, 50c; \$1.50 per oz.

Select Early Dwarf Erfurt—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c, 25c and 50c; oz. \$1.50.

Veitch's Autumn Giant—A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt. 10c; oz. 75c.

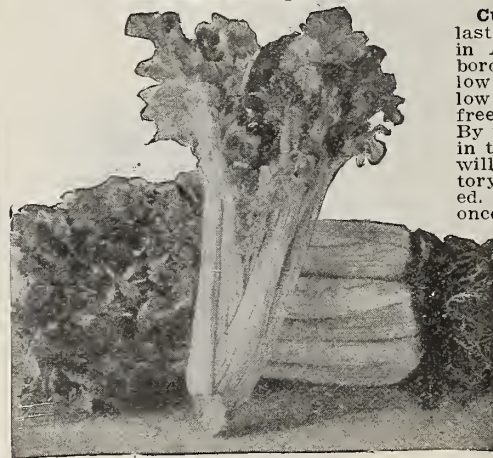
CAULIFLOWER PLANTS, PAGE 4.

Do not forget to include in your Spring Order a bag of Sheep or Cattle Manure—a bag of manure will give as much result as a cart load of barnyard manure.

Celery

(German—Sellerie. French—Celeri)

One ounce will produce about 2,000 plants.



M. & S. Magnificent

Culture—Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties 3 feet, and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well, and when large enough, blanch by earthing up.

The first operation is that of "handing," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the top of the plants.

M. & S. MAGNIFICENT—It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

M. & S. MONARCHE—This variety is a decided acquisition in green Celery, producing large stalks, and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor, and entirely free from stringiness. It is remarkably good keeper and presents a handsome appearance when ready for the table. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

French Golden Self-Blanching—For early use; preferred by many to all other sorts; as self-blanching as White Plume, an simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautifully waxy golden color. Grow to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Seed supply very limited. Pkt. 10c and 25c; oz. 40c; ¼ lb. \$1.25; lb. \$3.75.

CELERY—Con't. on next page.

CELERY—Continued.

Easy Self-Blanching—Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

White Plume—Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Giant Pascal—The stalks are very large, thick, solid, crisp and of a rich, nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Golden Heart—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Boston Market—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Winter Queen—This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

Victory—Runs a close second to the above, very similar. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

CELERY PLANTS, SEE PAGE 4.

Giant Prague Celeriac—This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe-shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Georgia Collards

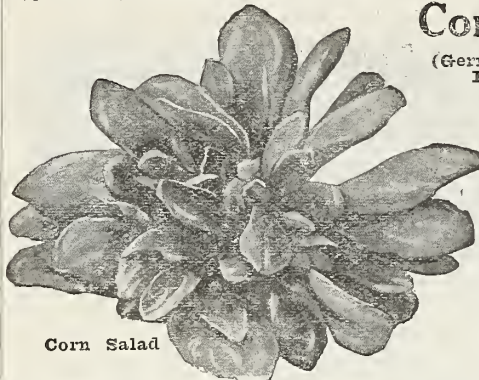
Georgia Collard—Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. Pkt. 5c and 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c.

Corn Salad

(German—Acker Lattig.
French—Mache)

Culture—Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September. Three ounces of seed to 100 feet of drill. Will do well if sown in spring.

Large Leaved—Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.



Corn Salad

SWEET, or SUGAR CORN

(German—Zuckermals. French—Mais)

One quart will plant 200 hills; eight quarts in hills to acre.

Culture—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

M. & S. Wonder Bantam—A yellow sugar corn with all that the name implies, making ears up to 9½ inches long, deliciously sweet and of unsurpassed flavor. Matures only about a week later than Golden Bantam. A strong grower and very productive $\frac{1}{2}$ pt. 25c; pt. 45c; qt. 60c; peck \$4.00.

Black Mexican—An old favorite, being very tender and sweet. Pkt. 20c; qt. 35c; pk. \$2.00.



M. & S. Snow White Evergreen Sugar Corn

Extra Early Adams—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pt. 15c; qt. 25c; pk. \$1.25; bu. \$4.00.

Early Adams—Similar to Extra Early Adams; larger, but not so early. Pt. 15c; qt. 25c; pk. \$1.25; bu. \$4.00.

EARLY SHEFFIELD—The best early Sugar Corn for truckers, making fine large ears. Pt. 15c; qt. 30c; pk. \$1.50; bu. \$4.50.

Howling Mob—Another new early Sugar Corn, with fine, large ears, excellent for truckers or the home gardener. Pt. 20c; qt. 35c; pk. \$1.50; bu. \$4.50.

M. & S. SNOW WHITE EVERGREEN SUGAR CORN—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Pt. 25c; qt. 40c; pk. \$1.75; bu. \$5.00.

Country Gentleman or Shoe Peg—A short-stalked, productive sort. Ears large, for so small a stalk; grain narrow and very deep; excellent quality. Pt. 20c; qt. 30c; pk. \$1.75; bu. \$5.00.

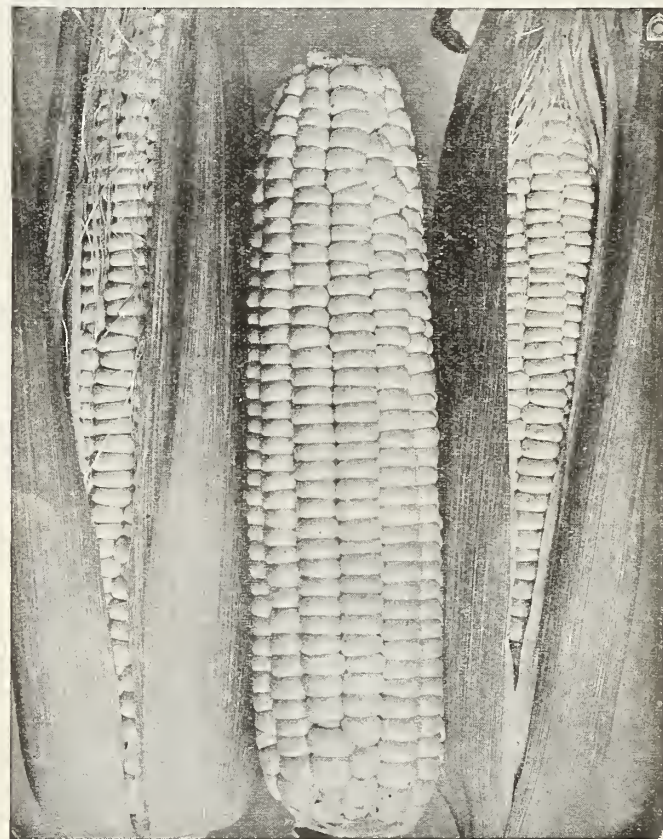
Stowell's Evergreen—Matures for table in about 80 days from germination. Pt. 15c; qt. 30c; pk. \$1.50; bu. \$4.75.

Stowell's Evergreen on Ears—Each 10c; dozen 75c.

Peep-O-Day—This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. Pt. 15c; qt. 30c; pk. \$1.50.

GOLDEN CREAM—The originator says: "It is good enough to eat raw." It is a cross between Country Gentleman and Golden Bantam; has the color of the latter and the fine quality of the former. It is really a very early yellow Country Gentleman—that means earliness, good size and first-class roasting ears. Pt. 25c; qt. 40c; pk. \$2.50.

Golden Bantam—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. Pt. 15c; qt. 30c; pk. \$1.75; bu. \$5.00.



Howling Mob Sugar Corn

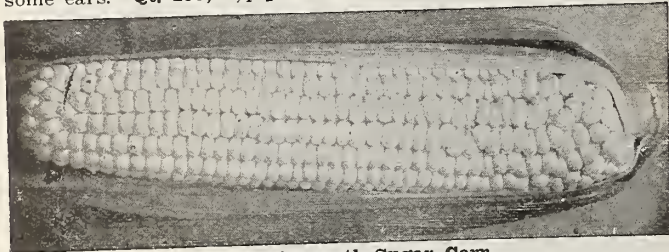
SUGAR CORN—Continued on next page.

SWEET OR SUGAR CORN—Continued

Early Mammoth—Large ear, and early; splendid early market sort. Pkt. 15c; qt. 30c; pk. \$1.25; bus. \$4.00.

Late Mammoth Sugar—The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. Pkt. 15c; qt. 30c; pk. \$1.25; bus. \$4.00.

Red Cob, or 90-Day Corn—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. Qt. 20c; ¼ pk. 35c; pk. \$1.00; bus. \$3.00.



Early Mammoth Sugar Corn

Cress

(German—Kresse)

Water Cress—Sow early in spring near pond or running water, when established will last for years. Pkt. 10c; oz. 50c.

Land Cress or Pepper Grass—Sow in early spring in rows two feet apart, and repeat often as it runs to seed very quickly. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c.

Chervil—Sow like the above, used as a salad seasoner. Pkt. 5c and 10c; oz. 25c.

Cucumber

(German—Gurke. French—Concombre)

One ounce will plant fifty hills; two pounds, one acre.

Culture—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.

M. & S. COOL AND CRISP—Ideal for home and market gardening. Extra early and very prolific, long straight, slender and very dark green; good either for pickling or slicing. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Early Fortune—A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.

New Klondike—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.

Improved Early White Spine—The old standard favorite. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c. Special prices on large quantities.

Arlington White Spine—Another standard sort. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c. Special prices on large quantities.

Improved Long Green—Long and crisp; a popular and reliable variety for pickles. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Jersey Pickle—Productive and said to "green" better than any other variety, and to "hold color." Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Livingston's Evergreen—A very strong grower, very early, bears firm crisp fruit, which is excellent for slicing or pickling. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

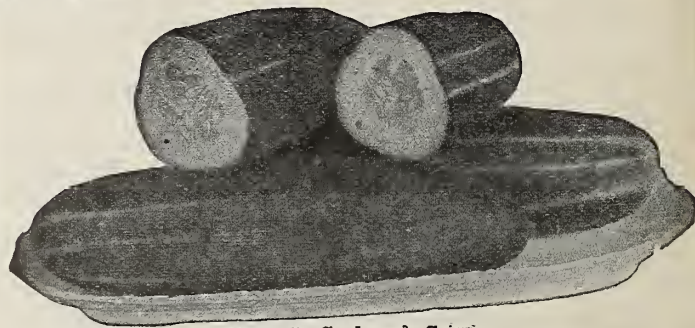


Early Fortune Cucumbers

Early Green Cluster—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Small Gherkin, or Burr—Used only for pickling while young and tender. Pkt. 5c and 10c; oz. 25c.

Danish Pickling Cucumber—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. Pkt. 10c; oz. 25c.



M. & S. Cool and Crisp

Japanese Climbing—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c.

English Forcing Telegraph Cucumber—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c; 100 seeds, \$1.25.

Eggplant

(German—Eierpflanze. French—Aubergine)

One ounce will produce about 1,000 plants.

Culture—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

M. & S. Ebony King—As its name implies it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c; ½ oz. 25c; 1 oz. 50c; ¼ lb. \$1.75.

New York Improved Purple—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt. 5c and 10c; oz. 35c; ¼ lb. \$1.25.

Black Beauty—The earliest large variety; color, rich, dark purple. Pkt. 5c and 10c; oz. 35c; ¼ lb. \$1.25.

EGGPLANT PLANTS, SEE PAGE 4.

Whitloof Chicory, or French Endive

(German—Succory. French—Chicoree)

Whitloof Chicory, or French Endive—

Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard, which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c.

Large Rooted Chicory—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. Pkt. 5c and 10c; oz. 25c.



Whitloof Chicory

Mr. Arthur Owens, of Greencock, Md., says he has had the most magnificent garden from seeds purchased of us the past season.

Endive

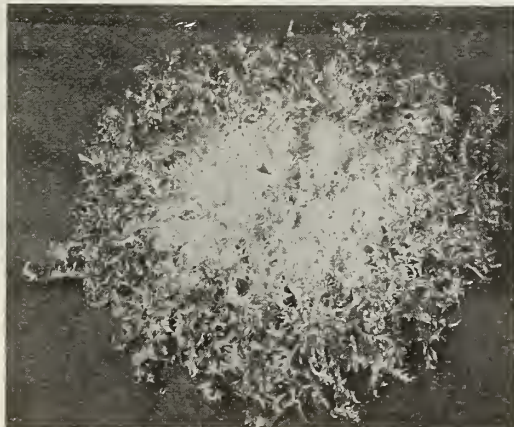
(German—Endivie. French—Endive)

Culture—Sow in June, July and August; cover lightly; when up thin out to eight inches apart, and water well afterwards, if dry. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

Green Curled—Tender and crisp. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

White Curled—Self-blanching. Very tender when young; blanches readily. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Broad Leaved Batavian (Escarole)—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 5c and 10c; 1 oz. 15c; ¼ lb. 35c; lb. \$1.00.



Green Curled Endive

Herbs

(German—Krauter. French—Herbes)

Culture—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.



Borage—Pkt. 5c and 10c.

Caraway—Seeds used to flavor bread. Pkt. 5c and 10c; oz. 25c.

Coriander—Pkt. 5c and 10c.

Dill—The seeds are used as a condiment and for pickling. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Fennel, Sweet—A hardy perennial, indigenous to Southern Europe. The leaves are extensively used in sauces for flavoring. Sometimes eaten raw. Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c.

Florence Fennel—Annual. Grown specially for the enlarged leaf-stalks at the base of the stem. As soon as the stems have attained the size of a hen's egg they are "earthed up." Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Horshound—For medicinal purposes and flavoring. Pkt. 5c and 10c.

Lavender—For flavoring and perfumery. Pkt. 5c and 10c.

Martynia—Produces long green pods which are used for pickling. Pkt. 5c and 10c; ½ oz. 25c.

Pot Marigold—Pkt. 5c and 10c.

Rosemary—Leaves used for seasoning. Pkt. 5c and 10c.

Rue—Pkt. 5c and 10c.

Sage—For seasoning and dressing. Pkt. 5c and 10c; oz. 40c.

Summer Savory—Used for flavoring. Pkt. 5c and 10c; oz. 25c.

Sweet Basil—For flavoring soups. Pkt. 5c and 10c; oz. 25c.

Sweet Marjoram—Leaves and ends of shoots used for seasoning. Pkt. 10c; oz. 40c.

Saffron—For medicinal and coloring purposes. Pkt. 5c & 10c.

Thyme (Broad Leaf)—For seasoning, also for making tea for nervous headache. Pkt. 5c and 10c; oz. 50c.

Gentlemen,—It affords me great pleasure to inform you that I have gotten the utmost satisfaction from the seeds which were purchased of you last spring and summer.

Woodruff—A sweet scented herb which is used as essence in the German Maitrank. Pkt. 15c.
Wormwood—Pkt. 5c and 10c.

Kohl-Rabi

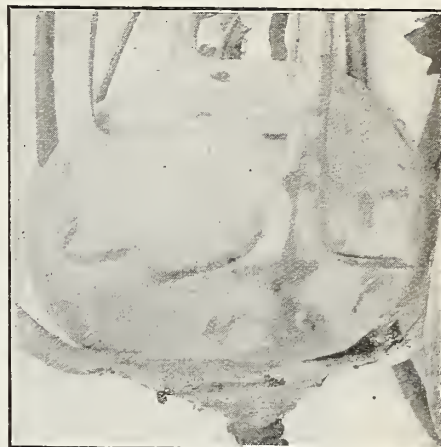
One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

Earliest White Vienna—Greenish white outside, with clear white flesh within. Smooth, short leaf. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Earliest Purple Vienna—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c.

KOHL - RABI
PLANTS, SEE
PAGE 4.



Earliest White Vienna Kohl-Rabi

Kale, or Borecole

(German—Krauskohl. French—Chou Vert)

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

Culture—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

BORECOLE
PLANTS, SEE
PAGE 4.



Borecole—Hardy Winter

Borecole, Hardy Winter—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new

growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 5c and 10c; oz. 20c; ¼ lb. 75c; lb. \$2.50.

Emerald Isle Kale—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

Dwarf Green Kale—Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 50c.

Tall Scotch—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

New Imperial Curled Long Standing—The leaves are very crimped and of a dark green color. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 50c.

Dwarf Green Curled Scotch, or Norfolk—One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Do not forget to order that bag of WIZARD BRAND SHEEP MANURE. It will make your garden more of a success.

MR. JOHN MEHL, Farm Manager, Foxcroft School, Middleburg, Va.

Don't Forget to Order That Cart Load of Manure in a 100-Pound Bag

M. & S. CHOICE STRAINS OF LETTUCE

(German—Salat. French—Laitue.)

Two ounces of seed to 100 yards of row; one ounce for 2000 plants

Culture—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For winter use sow the seed in September in hotbeds and follow it with other sowings for succession.



Big Boston Lettuce

M. & S. BELVEDERE LETTUCE—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The **M. & S. Belvedere** is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

May King—This valuable new Lettuce is, without any question, one of the best Lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.



Romain White Cos Lettuce

marked with brown specks. This is a variety growing in favor. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Improved Hanson—Large, compact, reliable header; outside leaves curled. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Romain White Paris Cos—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Best of All—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Grand Rapids—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

California Cream Butter—A good Summer sort, of reliable heading quality. Yellowish-green, slightly

M. & S.
Belvedere Lettuce

Big Boston—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Boston Market, or White-Seeded Tennisball—Early and compact, quite desirable, good forcer. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Oak Leaf—Quite popular. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Improved White Loaf—Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Iceberg—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

M. & S. STRAIN ALL-SEASON—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Way-a-Head—Similar to the above, but suitable for all-season in or out-door planting. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Black Seeded Simpson Lettuce—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

LETTUCE PLANTS POPULAR VARIETIES, SEE PAGE 4.



Black Seeded Simpson Lettuce

Gentlemen,—The Black Valentine Beans which I bought of you last season, were the best I have ever seen. They sure gave me wonderful results.

R. T. WILLIAMS, Brooklyn, Md.

Leek

(German—Lauch. French—Poireau)

One ounce to 150 feet of row.

Culture—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

Giant Carentan—Produces a large, thick stem and of mild flavor. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

American or Flag—One of the hardest and best for Winter use. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Muskmelons, or Cantaloupes

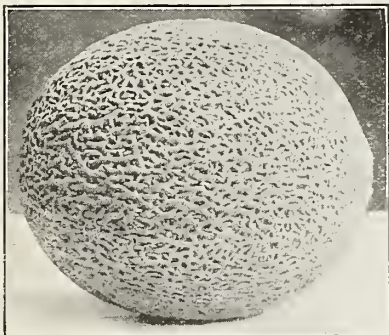
(German—Melone. French—Cantaloup)

One ounce will plant about 50 hills; two to three pounds in hills to acre.

Culture—Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on piece of sod.

M. & S. GOLDEN WONDER CANTALOUPE—Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

SALMON - TINT No. 10-25—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon-tint shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been successful in the East, in the West, and in the South. It is a prolific yielder and has been pronounced by every one who has used it as the ultimate in salmon-fleshed melons. A re-selected and much improved strain of the original Pollock and Salmon-Tint Pollock No. 25. Exclusively planted by the cantaloupe growers of the Rocky Ford district. Pkt. 5c and 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.



Salmon-Tint No. 10-25

Rocky Ford—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Bottomly Cantaloupe—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers. Medium size, round, deeply netted, green flesh and delicious flavor. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

M. & S. DELICIOUS GOLD-LINED ROCKY FORD CANTALOUPE—This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meat, fine grained and sweet; color, green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand-seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. Pkt. 5c and 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Early Netted Gem—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Emerald Gem—Small, green skin, delicious yellow flesh. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.

Acme, or Baltimore Nutmeg—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Jenny Lind—Very early, small, round, netted and of fine quality; green fleshed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. \$1.00.

M. & S.
Golden Wonder
Cantaloupe



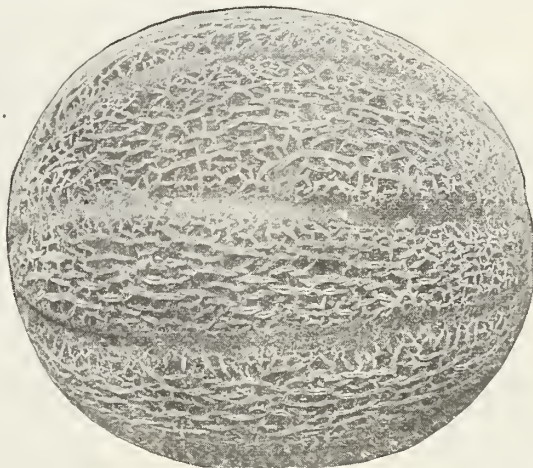
Hackensack, or Turk's Cap—A very fine, large sort; green fleshed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 90c.

Miller's Cream, or Osage—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.

Knight Cantaloupe—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

Banana—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c.

Montreal Market—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the Fall months. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.



Rocky Ford.

NEW HONEY DEW CANTALOUPE or MELON

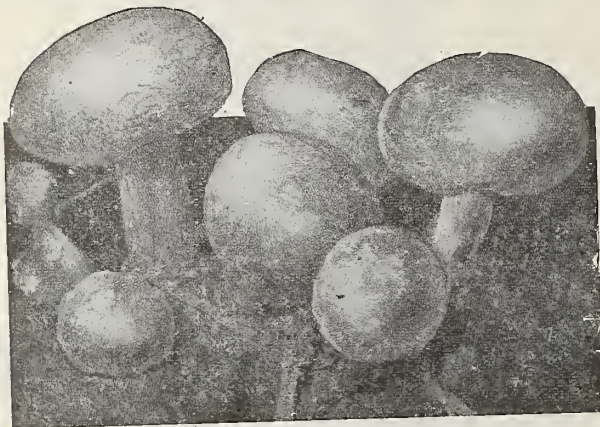
Honey Dew produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana. To have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving, as (like a Casaba) they apparently are at their best when a trifle over-ripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: Packet 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

HONEY DEW—Pink-fleshed, same as the above with the exception that the flesh is of a beautiful pink tint and highly flavored. Price same as green-fleshed.

WATERMELONS—SEE PAGE 20.

Pure Culture, Spore Process Mushroom Spawn

(German—Champignonbrut. French—Champignon)



Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture.

Culture—Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water. Estimate one brick for about eight square feet of bed.

Prices for Pure Culture, Spore Process Spawn (if ordered to be sent by Parcel Post, include postage, according to zone; a brick weighs 1½ lbs). 1 brick, 25c; 5 bricks, \$1.00; 25 bricks, \$4.50; 50 bricks, \$8.50; full case, 100 bricks, \$16.00.

Mushroom, or Hotbed Thermometers—Wood frame, heavy brass point. Price, \$2.25. Parcel post weight, 2 lbs.

Leaflet on Growing Mushrooms free.

Mustard

(German—Senf. French, Moutarde)

White Mustard—For salads and culinary purposes. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Brown Mustard—Stronger than above. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.



Improved Dwarf
Green Prolific Okra

Okra, or Gumbo

(German—Safran)

Four ounces to 40 feet of drill.

Culture—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

White Velvet, or Lady Finger—Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

Improved Dwarf Green Prolific—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

Perkins' Mammoth Podded—A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c.

Gentlemen—I think it may be of some interest to you to know
Mushroom Spawn.

Onion

(German—Zwiebel. French—Eignon)

American Grown Seed. One ounce for 100 feet of drill; six pounds for one acre.

Culture—For sets sow the seeds early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in the Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions of this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one quarter inch deep in March or early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

Prizetaker—This is the large, pale yellow onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.



Prizetaker Onion

Yellow Globe Danvers—One of the most extensively used yellow onions. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

White Silverskin—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; lb. \$2.00.

Large Red Wethersfield—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

White Bermuda—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full grown onions from seed the same season. Pkt. 10c; oz. 25c; ¼ lb. 75c.

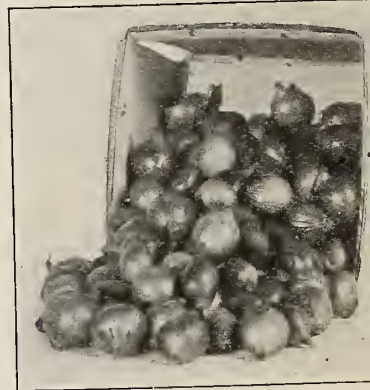
Red Bermuda—Pkt. 10c; oz. 25c; ¼ lb. 75c.

Chives Seed—Pkt. 10c; oz. 75c.

Onion Sets

One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.



Onion Sets

Yellow Danvers—Pt. 15c; qt. 25c; pk. \$1.00; bu. of 32 lbs. \$3.75.
Large Red Wethersfield—Pt. 15c; qt. 25c; pk. \$1.25; bu. 32 lbs. \$3.75.

White Silver Skin—Pt. 15c; qt. 25c; pk. \$1.25; bu. of lbs. \$3.50.

Multiplier Onion Sets, yellow and white and Egyptian T. Onion, Brown, are furnished in September and October. Mail price.

Price on Onion Sets subject to change.

Prices on larger quantities furnished on demand.

If ordered to be sent by Parcel Post, include postage according to zone; a quart of Onion Sets weighs about ½ lb.

I have had wonderful results with your pure culture.
Most respectfully,
MRS. J. J. GEORGE, Long Green, Md.

M. & S. SUPERIOR HAND PICKED PEAS

(German—Erbesen. French—Pois)

Bushel Prices on Application.

Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

Extra Early Peas—Weigh 60 lbs. to the bushel. **Wrinkled Peas**—Weigh 56 lbs. to the bushel.

Culture—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

Packets of all varieties of Peas, 5c and 10c.

As wanted by farmer Post, include postage, according to zone.

Weight, 1 pt. 1 lb.; 1 qt. 2 lbs.; 1 pk. 15 lbs.

Prices on all Pea Seeds are subject to market changes.

Extra Early Varieties

Extra Early Alaska—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt. 25c; qt. 40c. pk. \$2.25; bu. \$8.50.

Pedigree First and Best—An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Market Surprise—Larger pod than the Pedigree First and Best. Fine quality, a little longer picking season. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Continued above.

Extra Early Wrinkled Varieties

M. & S. WORLD'S RECORD—The earliest wrinkled pea ever introduced. Medium vines of dark green color and heavy foliage, bearing large handsome well-filled pods measuring sometimes 4 inches and longer, filled with from 8 to 12 tender luscious Peas. The best early wrinkled variety for private and market gardeners. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.00.

Thomas Laxton—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor, very early. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Laxtonian—A dwarf pea with large handsome pods. It is slightly earlier than Gradus maturing about the same time as Thomas Laxton. Vines medium dark green and medium heavy of foliage. Pods 3½ to 4 inches long, slightly curved. Will bear more abundantly at top of vines, making it easy to pick, very heavy yielder, altogether a fine pea for private and market gardeners. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$8.50.

Gradus, or Prosperity—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Prolific Early Market—This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Use Farmogerm Nitrogen-Fixing Bacteria on the Peas you plant and be surprised by results. Garden size, 50c; one-acre size, \$1.00; two-acre size, \$2.50; 12-acre size, \$9.00.

Long Podded Alaska—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

M. & S. BOUNTIFUL—Resembling Long Pod Alaska in general habit of growth. Vines light green in color.

Pods three inches long, slightly curved. Seed bluish-green, medium size and pitted. Height of straw, 30 inches. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Larger quantities prices on application.

Medium Early Wrinkled

M. & S. LITTLE MARVEL PEA—An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with seven to eight peas of extra fine flavor. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

American Wonder—Dwarfer and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Nott's Excelsior—One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Daisy, or Dwarf Telephone—The striking features of the Daisy pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American wonder, or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

Pot Latch—Strong, vigorous vines, luxuriant dark foliage, 24 inches in height, bearing pods 3½ to 4 inches long, pointed at ends, of medium green color, filled with luscious large tender peas. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.50.

PEAS—Continued on next page.

M. & S. World's Record

Inoculate this Seed with FARMOGERM

The Improved Soil Inoculator, Robert Hunter Process
NITRAGIN
Restores and Maintains Soil Fertility

Gentlemen,—I bought one bushel of Telephone Peas from you and treated same with Inoculating Bacteria, same yielded 116½ bushels and sold for \$404.80. I beat all my neighbors. Yours truly, GEORGE PEARCE, Fork, Md.

PEAS—Continued

Medium and Late Varieties

Farmogerm Nitrogen-Fixing Bacteria for All Kinds of Peas
—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 2 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)

Telephone—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color, and filled with large, sweet, tender peas. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.00.

Champion of England—A standard pea; vines grow four and one-half feet high and bear medium-sized pods of peas of good quality. Pt. 25c; qt. 40c; pk. \$2.25; bu. \$8.00.

Improved Sugar Marrow Peas—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. Pt. 25c; qt. 40c; pk. \$2.25; 60 pounds to bushel, bu. \$8.00.

French Canoe—Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. Pt. 25c; qt. 40c; pk. \$2.25; 60 pounds to bushel, bushel, \$8.00.

Dwarf Melting Sugar—The pods as well as the peas of this variety are edible and both very sweet. Pt. 30c; qt. 50c.



Improved Hollow Crown Parsnip

Parsnip

(German—Pastinake. French—Pannais)

One ounce for 200 feet of drill; five to six pounds for an acre.

Culture—Sow as early in the Spring as the weather will permit, in drills 16 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

Improved Hollow Crown—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

M. & S. Improved Jumbo Peanuts



Improved Jumbo Peanuts

(German — Erdnusse.
(French — Pistache de terre)

Culture—Plant in May or early June, in rows about two and one-half to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow throw the dirt to the nuts.

Price—(Shelled)
—¼ lb. 15c; ½ lb. 25c; 1 lb. 50c.
Special price on large quantity.

Pepper

(German—Pfeffer. French—Poivre)

One ounce will produce 1,000 plants.

Culture—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

Large Bell, or Bull Nose—Large, early variety; hot flavor, thick and fleshy. Pkt. 5c and 10c; oz. 30c; ¼ lb. 85c.

Chinese Giant—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. Pkt. 5c and 10c; oz. 40c; ¼ lb. \$1.25.

Perfection Pimento Pepper—Compact plant of uniform growth. Bearing an abundance of perfectly sweet large peppers, which can be used in their green state or when the fruit has turned red. It is the best sweet pepper for the home garden. Pkt. 10c; ½ oz. 30c; 1 oz. 50c.

Large Sweet Spanish—A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt. 5c and 10c; oz. 30c; ¼ lb. 85c.

Long Red Cayenne—Long, slim, and very pungent. Pkt. 5c and 10c; oz. 30c; ¼ lb. 85c.

M. & S. Everbearing Sweet Pepper—Best of all, large productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an apple. Pkt. 10c and 25c; ½ oz. 40c; 1 oz. 75c.

Mammoth Ruby King—Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 5c and 10c; oz. 30c; ¼ lb. 85c.

Small Chili—Small, red, conical pods. Very hot and prolific. Pkt. 5c and 10c; oz. 50c.

Red Cherry—A small round pepper, very hot. Pkt. 5c and 10c; oz. 75c.

Neapolitan—This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. 5c and 10c; oz. 50c.

Golden Dawn—A large yellow variety, very sweet. Pkt. 10c; oz. 50c.

PEPPER PLANTS LISTED ON PAGE 4.

Parsley

(German—Petersilie. French—Persil)

One ounce to 150 feet of drill.

Culture—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high,



M. & S. Green Curled Beauty Parsley

cut off the leaves, the plant will start a new growth.

M. & S. GREEN CURLED BEAUTY PARSLEY—Very handsome, dark green, immensely curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year around. Pkt. 5c and 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

Champion Moss Curled—A distinct variety of unequalled merit, beautifully crimped and curled. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Green Mountain Parsley—Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Plain, or Single—Very strong in flavor, but not curled. Pkt. 5c; oz. 10c; ¼ lb. 30c.

Hamburg, or Rooted—Edible roots. Pkt. 5c; oz. 10c; ¼ lb. 30c.

For better crops—Prepare your soil with our high grade Sheep Manure, we can sell you a whole wagon load in a bag at surprisingly low figure.

See Our New Introductory Offer on Potato Seed,
as Illustrated and Described.

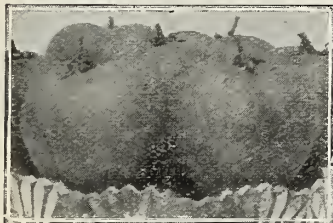
POTATOES

(German—Kartoffeln. French—Pomme de Terre)

See Our New Introductory Offer on Potato Seed,
as Illustrated and Described.

Cook's New Hybridized Potato Seeds

(FROM THE TRUE SEED BALLS)



Balls Half Size

thing in the Potato line. Potato Seed-Balls are vanishing. Get the seed now while you can. Millions want them. * Packet 15c; 4 for 50c; 10 for \$1.00.

Directions for Planting: Plant early in a hotbed, or warm border. Cover seed lightly, and press firmly. Give plenty of sun. Do not crowd them. When 3 inches high, transplant two feet apart. Cultivate well; keep free of weeds and bugs. When ripe store in a cellar. The tubers will be one-half to two inches or more in diameter the first season. In two or three years they will attain full development.



Irish Cobbler Potato

Present Price of All Kinds:

Peck, 75c; bushel, \$2.25; per 165-lb. sack, \$6.00.

Ten bushels cut tubers will plant one acre.
Prices on quantity of Potatoes furnished on application.
Potato prices subject to market fluctuation.

Culture—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed allow one eye to each piece.

Our potatoes are put up in barrel sacks of 165 lbs. each.

Red Bliss—Very early, thin, red skin, round, white flesh.

Irish Cobbler—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

Houlton Early Rose—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

Crown Jewel—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

M. & S. FILL BASKET—On account of the large yields that have been reported on this potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size, where soil is well tilled. Our customers will find the M.-S. FILL BASKET a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts.

Early Ohio—This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early.

Improved Green Mountain, Early Norther, New Queen, Carmen No. 3, Prosperity, Burbank, McCormick, Rehoboths. Prices furnished on application.

Choice Seed Sweet Potatoes. Leading Varieties—Prices on application. Sweet Potato Plants. SEE PAGE 4.

Pumpkins

(German—Kurbiss. French—Potiron)

One ounce for fifteen hills; three to four pounds plant an acre.

Culture—Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close.



King of the Mammoths, or Pot Iron.

M. & S. YANKEE PIE PUMPKIN—The best Pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large handsome pear shaped, golden yellow pumpkin, which are so sweet that they require very little sugar and ripen early. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Cushaw, or Winter Crookneck—An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crookneck, fine grained yellow flesh, very solid. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.

Cushaw Striped—Same as above, but it is green and white striped. Price, same as above.

King of the Mammoths, or Pot Iron—An immense variety, which always wins prize offered for the largest and best pumpkins grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Japanese Pie—Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Tennessee Sweet Potato—Excellent for pies; pear-shaped, medium size, flesh and skin cream white, fine grained, sweet, a first rate keeper. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Cheese—Shape flat like a cheese box; good keeper, popular. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Common Yellow, or Connecticut Field—Very productive; for feeding stock Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Sugar, or New England Pie—For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Winter Luxury Pumpkin—A very good keeper and a splendid pie Pumpkin; shape round, skin finely netted, and beautiful russet-yellow color; flesh thick and of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**TRY THESE IN YOUR
NEXT GARDEN**

NEW M. & S. GOLDEN HEART WATERMELON—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. **Pkt. 10c; oz. 15c; ¼ lb. 52c.**

Culture—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

M. & S. SWEET HEART WATERMELON—The sweetest melon that grows. The best for home use and nearby markets. The dark red meat which extends almost to the rind, is of the most delicious flavor. Vines are strong and vigorous, the melons are medium to large in size. The skin is a very rich, dark green color. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.**

IRISH GREY—A comparatively new variety that is becoming very popular as a shipping sort. Fruits long oval in shape and of light yellowish grey color. The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A very desirable variety for those who prefer a long, light colored shipping melon. **Pkt. 10c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; 1 lb. \$1.25.**

**M. & S. Sweet Heart Watermelon**

M. & S. EXCEL—A new watermelon. Great improvement over Tom Watson. Long green. Excellent for market gardeners and shippers. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

TOM WATSON—Our strain of this wonderful shipping melon has been very much improved in the last few years. It commenced to show white, hard centers, but through careful selecting our strain will produce nothing but melons which are red from the rind to the center, not showing any white streaks. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

Florida Favorite—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

McIver's Wonderful Sugar—Resembles Old Rattlesnake, superior in quality. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

Gray Monarch, or Long White Icing—Very large, long, crimson flesh. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

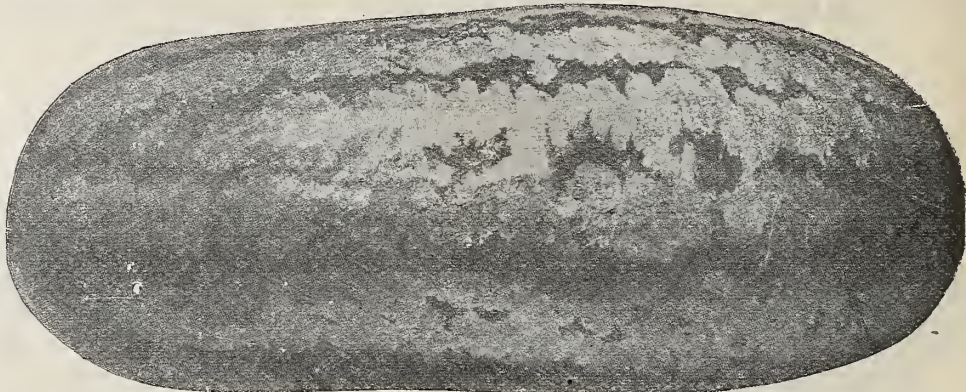
Indian Chief—Excellent shipper; none better for the private garden. **Pkt. 5c and 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.**

CITRON—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. **Pkt. 5c; oz. 15c; 1 lb. 75c.**

WATERMELON

(German—Wasser Melone. French—Melon d'eau)

One ounce for thirty hills; four to five pounds for an acre

**Improved Georgia Rattlesnake**

Improved Georgia Rattlesnake—The old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

**Tom Watson Watermelon.**

IMPROVED KLECKLEY SWEET—Four years ago our grower set out to perfect a new type of this favorite melon, for the reason that the original type began to show some deterioration, and the color of the seed was showing decidedly too much brown smear, melons were not all growing uniform in size, and with the feeling that it is a grower's duty to keep the type of all good melons up to standard he carefully selected and bred this type until we now have a much better melon than the old type Kleckley Sweet; this improved type grows uniformly large, retaining all of the fine qualities as a table melon, with an important added feature of having much harder rind, which assures its satisfactory carrying quality, while the old type will not stand even short distance shipping in carloads. The seed are all creamy white, with no trace of brown, somewhat larger than the old type seed, the color of rind remain the same—dark bluish green—and grows to much larger size than the old type. **Pkt. 5c and 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

**M. & S. Excel Watermelon**

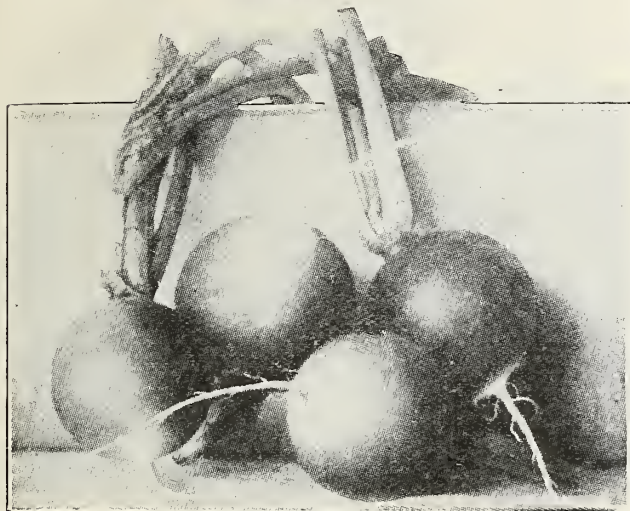
M. & S. SELECTED RADISH SEED

(German—Radies. French—Radis)

One ounce for fifty-foot drill; ten pounds in drills to one acre.

Culture—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

Extra Early Varieties



M. & S. Strain Scarlet Globe Radish

Scarlet Globe Early—M. & S. Strain—Highly recommended for truckers. This variety can be used for forcing and is recommended for early outdoor planting. It is small, round, red radish, of excellent flavor; its rich, crisp, tender flesh makes it very popular. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

M. & S. EARLY CARDINAL RADISH—These are the best little crisp red radishes, which come so early in the season; they grow globular in shape and are of the most brilliant cardinal red color; are tender and crisp; will stand the heat and are fine for forcing. The most desirable kind for home garden and market gardeners' use. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

French Breakfast, Early—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, topped with white. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Early Long Scarlet Short Top—The principal outdoors quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Long White Vienna or Lady Finger—Has slender pure white roots which are smooth and average about 6 to 7 inches in size when matured. They are quite early and of excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Iceberg—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

White Strasburg—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 60c.

New Glass, or Cincinnati Market—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

White Turnip (Short Top)—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

The best soil improver you can use is manure. Use plenty of it. We can sell you a whole wagon load in a 100 lb. bag of our High Grade Sheep or Cattle Manure, at a surprisingly low figure.

White-Tipped Scarlet Globe—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.



Prussian Globe—This is a short top, round red Radish, which will always stay popular on account of its good qualities; can be used for forcing and outdoors. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Ruby King, Extra Early—Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Crimson Giant—Like above but much larger. Very desirable. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Strawberry—The exceptional merit of this radish is proved by its popularity increasing every year with successful market gardeners. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, and is a high class strain for out-door planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Summer Varieties

Large White Stuttgart—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Large White Summer Turnip—Round, smooth and very white; crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Golden Globe—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Improved Chartier—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Winter Varieties

Long Black Spanish—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Round Black Spanish—Like the above, except that it is round shape. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Long White Spanish—Like the Long Black Spanish, only different in color. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Round White Spanish—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

China Rose, or Scarlet China—Bright rose-colored, stump-rooted, of excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

White Chinese, or New Celestial—Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Sakurajima (Mammoth Japan)—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c.

Merima—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c.

HORSE RADISH (German—Meerrettig; French—Raifort)—SEE PAGE 4.

Gentlemen,—The last Early Long Scarlet Short Top Radish seed I got from you done fine and sell well here owing to their bright scarlet color.

Thanking you for your promptness in filling my last order, I remain,

Yours respectfully,

D. S. RADEBAUGH, Hilaleah, Fla.—Dade Co.

Rhubarb

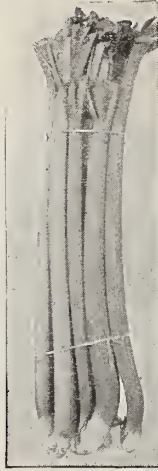
(German—Rhababer. French—Rhubarbe)

Culture—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our two-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

Queen Victoria—The leading variety. Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c.

ROOTS—SEE PAGE 4.



Salsify, or Oyster Plant

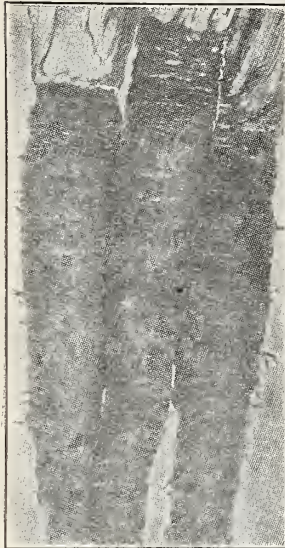
(German—Haferwurz. French—Selsifi)

One ounce to seventy feet of drill; about eight pounds to the acre.

Culture—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

Mammoth Sandwich Island—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market gardeners and truckers.

Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c; lb. \$1.75.



Mammoth Sandwich Island Salsify

M. & S. Swiss Chard, Delmonico

This is the finest Swiss chard that grows, making large handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike asparagus. Absolutely the best for home gardens. Pkt. 5c and 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

Swiss Chard, or Spinach Beet, Giant Lucullus—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.



M. & S. Swiss Chard, Delmonico

Vegetable Marrow

Italian (Cocozelle di Napoli)—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green. In Italy it is eaten when quite young. Pkt. 5c and 10c; oz. 15c; ¼ lb. 50c.

Sorrel, or Sourgrass

(German—Sauerampfer. French—Oseille)

Culture—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French—Pkt. 5c and 10c; oz. 20c; ¼ lb. 65c; lb. \$2.25.

Squash

(German—Gemuse Kurbis. French—Courge)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.



M. & S. Perfection Bush Squash

Culture—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from

bugs is over, leaving three to four of the strongest plants per hill.

M. & S. PERFECTION BUSH SQUASH—This is the finest scalloped white squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 5c and 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.

Early Mammoth White Bush Squash—An excellent strain. Early prolific and much larger than the old White Bush. Splendid for market, best for shippers. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 75c.

Summer Crookneck, Bush Variety—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Hubbard—An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark green skin and very rich flesh. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Golden Hubbard—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 5c and 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Boston Marrow—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



Boston Marrow Squash

Gentlemen—The Sweet William Seed which I purchased from you last year turned out to be the most beautiful I have ever seen. One bush seemed to be an exception. I can recommend them highly to any of your customers.

A. L. LEPPER, Raspeburg, Md.

Turnip

(German—Rube, French—Navet)

One ounce for 100 feet; two pounds to the acre.

Culture—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

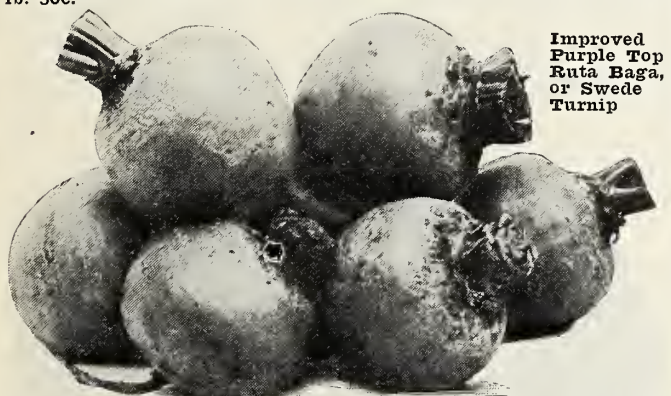
M. & S. Early
Champion
Turnip



M. & S. EARLY CHAMPION TURNIP—This is the best Turnip for home gardens and market gardeners to plant. It is large perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large), stays tender and sweet a long time. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Red, or Purple Top White Globe—A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Extra Early Purple Top Strap Leaved—The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.



Improved
Purple Top
Ruta Baga,
or Swede
Turnip

Purple Top Yellow Aberdeen—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardiness and firmness of texture. This is an old esteemed variety for stock. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Improved Purple Top Ruta Baga, or Swede—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Gentlemen,—On your recommendation I planted the past season quite a good size patch of your M. & S. Early Wonder Tomato and must say that it is all that you claimed for it.

White Egg—A quick-growing, egg-shaped variety. Very smooth, pure white, grow half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Yellow, or Amber Globe—Excellent for table use or stock. Fine quality, keeps well. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Pomeranian White Globe—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

Cow Horn—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Seven Top—Grown exclusively for its tops, and when properly prepared and cooked, make a fine dish. Withstands our winter without any protection. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

Tennoji Turnip—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. Pkt. 10c; oz. 25c.

Spinach

(German—Spinat, French—Epinard)

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

Culture—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way. Three or four seeds in a hill.

Savoy Spinach



Bloomsdale Savoy Leaved—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 30c; 5 lbs. \$1.25.

Prices on larger quantities furnished on application.

Victoria—A favorite for early Summer. It is one of the darkest in color, and with exception of the heart, the leaves are comparatively smooth. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

Long Season—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact, better than all others, and remains a long time in condition for use before going to seed. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

New Zealand—Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot Summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 25c; 5 lbs. 75c.

King of Denmark—Also known as "Antvorskov." This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed. The plants are of rapid growth, resemble the Long Season in type but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. We believe this variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both the home and market gardener. Pkt. 5c and 10c; ¼ lb. 15c; 1 lb. 50c; 5 lbs. \$2.00.

Tobacco Seed

Connecticut and Pennsylvania Seed Leaf—Pkts. 5c and 10c; oz. 25c.

Havana Seed Leaf—Pkts. 5c and 10c; oz. 35c.

Maryland Tobacco—Pkts. 5c and 10c; oz. 25c.

Very truly yours,
C. GEIS, Millersville, Md.

M. & S. "SURE CROPPING" TOMATOES

(German—Liebesapfel. French—Tomate)

One ounce for 1,500 plants; quarter pound (to transplant) an acre.

Culture—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills three feet or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

EARLY VARIETIES

M. & S. Early Wonder

This is the second year that we are offering this wonderful extra early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. **Pkt. 25c; oz. \$1.00; 2 oz. \$1.75; ¼ lb. \$3.00; 1 lb. \$10.00.**

The "Eurbank"—The Earliest Tomato in the World—By far the earliest, smoothest, solidest, most productive, and best of all early tomatoes; resists wilt and other tomato diseases better than most others. Fruit, bright red; thick, solid, heavy, smooth, firm, medium to large in size, superior quality, unusually heavy and continuous bearer throughout the season; best keeper and shipper. The "Eurbank" has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, the skin peels freely from the rich, firm flesh. **Price: Pkt. 15c; 2 pkts. 25c; 10 pkts. \$1.00. In bulk, ¼ oz. 50c; ½ oz. 80c; 1 oz. \$1.50.**



M. & S. Early Wonder Tomato

John Baer—This tomato compares with Bonnie Best, but grows much heavier foliage and larger fruit; is also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good, all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

June Pink—For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

Sunnybrook Special—A great favorite with the Anne Arundel County truckers on account of its earliness, productiveness and uniformity. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

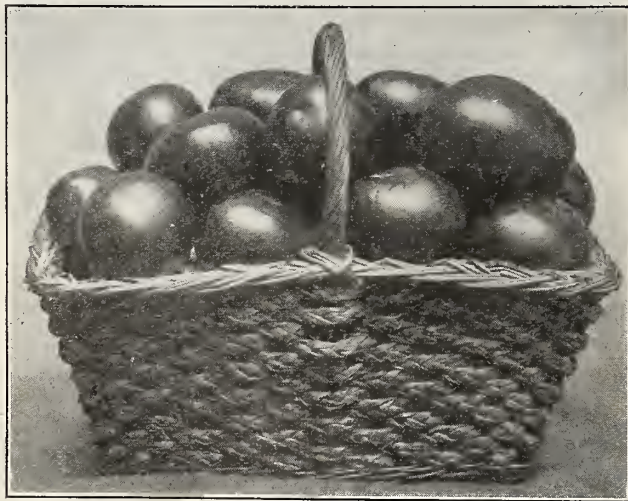
M. & S. Incomparable Tomato

We pronounce this the best medium early Tomato that grows. It produces large smooth fruit, which are very thick from stem to blossom end, very solid and of a deep red color. It yields immensely and clean up to frost, we have counted fifteen marketable fruit on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. The vines are stout and dark green, holding the fruit well off the ground.

Seed scarce, order early, grown exclusively by us. **Packet 10c and 25c; ounce 50c; ¼ pound \$1.75; 1 pound \$6.00.**



M. & S. Incomparable Tomato



Chalk's Early Jewel Tomato

Extra Early I. K. L.—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.**

Sparks Earliana—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. **Pkt. 5c and 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.**

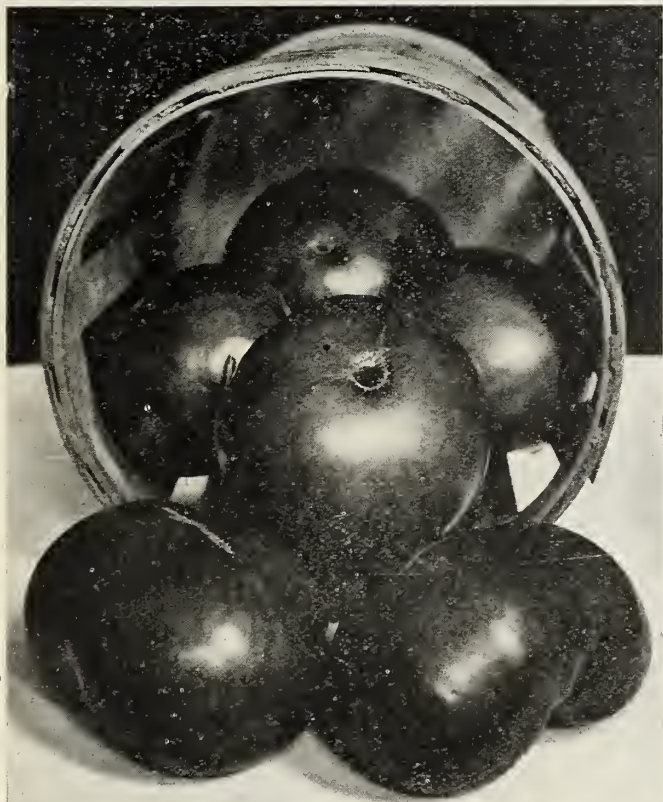
Chalk's Early Jewel—The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

Extra Early Mascot—Great favorite among the Anne Arundel County truckers on account of its earliness, productiveness, and uniformity of good size; smooth, red-skinned tomatoes. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

King of the Earliest—One of the largest Early Red Tomatoes, which well deserves its name. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

Bonnie Best—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. **Pkt. 5c and 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

M. & S. MAIN CROP AND SMALL FRUITED TOMATOES



M. & S. Big Chief Tomato

M. & S. BIG CHIEF—A grand new main-crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M. & S. BIG CHIEF VINE. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed is scarce, grown exclusively by us. Pkt. 25c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; 1 lb. \$6.00.

Kelly's Red—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

Greater Baltimore—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt. 5c and 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

B. B. (Brinton's Best)—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Wisdom—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room. Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$5.00.

Ponderosa—Remarkably large and of fine quality. Very solid. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

M. & S. IMPROVED NEW STONE—This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Gentlemen:

I have planted your Early Wonder Tomato. They surely are wonderful. Produced the finest crop of extra early tomatoes I have ever seen.

Yours truly,

E. RUTOWSKI, Rossville, Md.

New Queen—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Maryland Pride—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt. 5c and 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Golden Queen—Bright yellow, large and solid. Pkt. 5c and 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

Yellow Pear and Yellow Plum—Two small-fruited kinds for preserves. Pkt. 5c and 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

Red Pear—Pear-shaped red. Pkt. 5c and 10c; oz. 40c.

Peach—Very small, pink fruit, with slight peach bloom on skin. Pkt. 5c and 10c; oz. 40c.

Clover Seeds

Write for Samples and Prices in Larger Quantities.
Prices Subject to Market Fluctuation.

Alfalfa, or Lucerne (Medicago sativa)—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. We handle home as well as foreign grown alfalfa. 30c per lb. Large quantity price on application.

Alsike, or Hybrid Clover (Trifolium hybridum)—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. 1 lb. 35c.

Red Clover (Trifolium pratense)—One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 pounds to the acre. 1 lb. 35c.

Mammoth Red, or Sapling Clover—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. 1 lb. 35c.

Crimson, or German Clover (Trifolium incarnatum)—Erect annual, one to two feet high, with bright-scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. 1 lb. 25c.

White Sweet Clover (Melilotus Alba or Bokhara)—Valuable sort for soil and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. 1 lb. 20c.

White Clover (Trifolium repens)—It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in lawns and permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; 1 lb. 75c.



Farmogerm Nitrogen-Fixing Bacteria for All Kinds of Clover—Means bigger crops, healthier growth, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 2 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)

M. & S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses Are Wanted by Parcel Post, Allow for Postage. Prices on Grasses Subject to Market Changes.
Write for Samples and Prices in Larger Quantities.

Blue Grass, Fancy Kentucky—(Poa Pratensis)—Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bushels per acre on lawn, 2½ to 3 bushels on pasture fields (bu. 14 lbs.). **Per lb. 40c.** Larger quantity on application.

Bermuda Grass—Adapted for seashores, very hardy. **50c lb.**

Creeping Bent (Agrostis Stolonifera)—Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). **Price, lb. \$2.00.**

Crested Dogtail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). **Price, lb. 50c**

English, or Perennial Rye Grass (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bushels per acre (20 lbs. per bu.), **25c per lb.**



Timothy.

Hard Fescue (Festuca Duriuscula)—A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). **Price, lb. 50c.**

Herd, or Red Top Fancy Re-cleaned—This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bu.). **Price, lb. 35c.**

Herd, or Red Top Unhulled (Agrostis Vulgaris). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.). **Price, lb. 25c.**

Meadow Fescue (Festuca Pratensis)—Sow 40 to 50 lbs. per acre (22 lbs. per bu.). **Price, lb. 25c.**

Italian Rye (Lolium Italicum)—Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn seed for Southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). **25c per lb.**

Orchard Grass (Dactylis Glomerata)—For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. to bu.). **Price, 35c per lb.**

Red, or Creeping Fescue (Festuca Rubra)—Very valuable for sowing on sandy soil and in shaded places and putting greens. (14 lbs. per bu.). **Price on application.**

Rhode Island Bent—For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). **Price lb. \$2.00.**



Orchard Grass.



M. & S. Permanent Pasture Mixture makes a nutritious food for cattle. See page 23.

Sheep's Fescue (Festuca Ovina)—This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). **Price on application.**

Sudan Grass—A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock, and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. **20c per lb. Larger quantities, price on application.**

Tall Meadow (Avena Elatior)—A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bu. per acre (10 lbs. per bu.). **Price on application.**

Timothy (Phleum Pratense)—Sow one-half bu. per acre alone, with clover 1 peck (45 lbs. per bu.). **15c per lb. Price varies constantly; ask for quotations.**

Broom Corn (Sorghum vulgare)—Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long-brush Evergreen, which is made into Brooms. (Bu. 50 lbs.). **15c lb.**

Kafir Corn—Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bu. 56 lbs.). **10c lb.**

Cow Peas (Vigna Catjang)—Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bu. per acre broadcast; 1 bu. in drills. We offer Black Whippoorwill, Gray, New Era, Black Eye and other leading varieties, also mixed. **Price on application.**

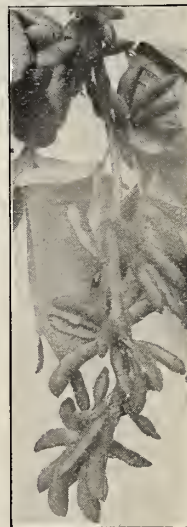
Cow Peas with German Millet—This mixture, long discouraged because the growth of the older varieties of Cow Peas is slower than that of Millet, is now made profitable by the introduction of the quicker-maturing **New Era and Groit Peas**; and even two varieties that take a little longer to mature—the **Brabham and Whippoorwill**—make such a luxuriant growth by the time the Millet is ready to cut that the result is a more abundant yield of hay than Millet alone could make, with a corresponding improvement in the quality.

Golden Millet (Panicum Miliaceum var)—An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 lbs. broadcast to the acre (bu. 50 lbs.). **7c per lb.**

Japanese Buckwheat—In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcast to the acre. **15c per qt.; pk. 75c.**

Soja Bean (Glycine hispida)—**Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks**.—All thrive well in our climate. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Sow 1½ bu. per acre alone, or ½ bu. soja beans with 1 bu. cow peas. Yields as high as 20 tons of green food per acre. **Market prices.**

Soja Beans in Combination—WITH CORN for the silo, increase considerably the protein content of the silage. The two crops are planted on separate fields, and mixed at the rate of one load of Soy Beans to three of Corn. WITH SORGHUM for either silage, hay or ensilage, may be sown in the proportions of 12 pounds of Sorghum to 3 pecks of Soy Beans to the acre. WITH COW PEAS will usually make a larger yield of hay or forage than either sown alone, and at the same time will bring up the fertility of the land more than any other mixture grown in the summer, as these are the leading soil-improving crops. **SOJA BEANS PLANTED ALONE** are profitable, whether the crop is for hay, forage or the beans, and while improving the soil, will also stand protracted dry weather better than most other crops, the long tap root going far down into the soil for needed moisture.



Soja Beans



SEED INOCULATION

Increases Crop Production and Greatly Improves the Soil

Crop and soil experts agree that for best growth, and to put atmospheric nitrogen in the soil, it will pay all farmers to inoculate all legumes, even where they are at present successfully grown. The cost is trivial when compared with the profit it will bring you. Legumes are clovers, peas and beans, alfalfa, soy beans, vetches, and other plants that grow their seeds in a pod. Their roots are the home of bacteria that draw fertility-building nitrogen from the air and store it in swellings on the roots, called nodules. These nodules not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future crops.

The 1-A size bottle will inoculate: Clovers 15 lbs., alfalfa 20 lbs., Canada field peas 100 lbs., vetch 60 lbs., soy beans 75 lbs.;

other sizes in relative proportion. Place seed in a pile, fill bottle with water, add a little sugar, shake and moisten seeds; when dry, plant in usual way. This is infinitely easier, safer and better than the old laborious soil transfer method.

We have a special composite culture for garden peas, beans and sweet peas; ask for No. 5, 50 cts., and you will insure large, luscious peas and beans, and abundant sweet pea blossoms of wonderful coloring. Postpaid.

When ordering, be sure to specify the kind of seed you wish to inoculate. Prices: No. 5 Garden Size for all kinds of Peas, Beans and Sweet Peas, 50c; 1-acre size, \$1.00; 3-acre, \$2.50; 12-acre, \$9.00. Full directions accompany each bottle. We recommend that you use Farmogerm. Postpaid.

BETTER CROPS IN FIELD AND GARDEN

IF YOU INOCULATE WITH

The Improved Soil Inoculator, Nobbe-Hiltner Process



Registered in the United
States Dec. 6th, 1898.
26 YEARS AGO.

Awarded Gold Medal
Worlds Fair—St. Louis 1904.
20 YEARS AGO.

THE ORIGINAL SOIL INOCULATOR

Alfalfa, clovers, soybeans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.

BENEFITS OF INOCULATION

* The principal reasons for inoculation can be stated in five short paragraphs, viz.:

First—Inoculated legumes take nitrogen from the air to supply the plant, resulting in faster growth, earlier maturity and larger crops.

Second—Inoculated legumes take up more nitrogen than the plant itself requires, the surplus remaining to the benefit of future crops.

Third—Inoculated legumes develop larger root systems than when not inoculated and therefore reach the immense stores of potash and phosphorus in the sub-soil, bringing them up to supply the plant. When the roots and stubble decay these elements are also returned to the soil in a form available for future crops.

Fourth—Inoculated legumes, by taking their nitrogen from the air, save the soil. When not inoculated they drain the soil of its nitrogen just the same as wheat or timothy or other leguminous plants.

Inoculated legumes contain more protein matter than when not inoculated, greatly increasing their feeding value.

Summary—Inoculation hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.



Inoculated Soybeans
Be sure and name
crop to be inoculated.



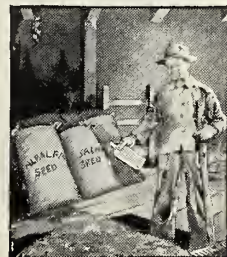
Prices For Field Nitragin

¼-bu size inoculates 15 lbs seed	\$.40
½-bu size inoculates 30 lbs seed	.60
1-bu size inoculates 60 lbs seed	1.00
5-bu size inoculates 5 bu seed	4.75

EVERY GARDEN NEEDS "NITRAGIN"

Garden size is for Peas, Sweet Peas and Beans, only including Lima (3 in one). Price 20c.

Sold on the BUSHEL basis—not acre sizes. The one bushel size will inoculate one bushel of any legume seed, price \$1.00, other sizes in proportion. If you sow 15 pounds seed per acre, you pay \$.25 per acre inoculating with NITRAGIN—not \$1.00 or more. Sold in tins—not glass—packed in a rich soil-like medium.



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



MULFORD CULTURES improve the soil and, when properly used under favorable conditions, induce a prompt "catch" and often more than double your yield. They are easily used by anyone, without previous experience. No special knowledge or implements are required. Supplied in:

5-Acre Size.....	\$5.00 ("A Dollar per Acre")
1-Acre Size.....	\$1.50
¼-Acre Size.....	.75
Small Size (Supplied only in 4 varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).....	.35

ALWAYS SPECIFY ON YOUR ORDER WHAT CROP YOU WANT TO INOCULATE, AS THERE IS A DIFFERENT STRAIN OF BACTERIA FOR EACH LEGUME.

POSTPAID

POSTPAID



Cow Peas

M. & S. SELECTED FORAGE AND FARM SEEDS (Continued)

Peas (Canadian Field) — Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two bushels to the acre (bu. 60 lbs.). **Market prices.**

Rape — Dwarf Essex English (Brassica napus) — Is excellent for sheep and hog pasture, and chicken yards, also for soil-ing. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five lbs. to the acre; sown broadcast, ten pounds to the acre. **Lb. 20c.**

Sorghum, or Sugar Cane

Ideal cattle food. Sow 1 or 2 bu. broadcast; 25 lbs. to the acre in drills. (Bu. 50 lbs.)

Early Amber—Grows 10 to 13 feet high. Fine for cows, either green or cured. **Lb. 10c.**

Early Orange—Ripens about 10 days after Early Amber, and is said to produce a larger crop. **Lb. 10c.**

Sunflower—Large Russian—**Lb. 15c.**

Sand, Winter, or Hairy Vetch (Vicia villosa)—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. **Lb. 25c.**

Spring Vetch—Same as above, but not hardy; sow in Spring only. **Lb. 15c.**

Winter Barley

48 lbs. per bu. 96 to 110 lbs. per acre.

One of the most productive Fall seeded grain crops grown. Being planted more extensively each year. Provides an abundance of highly nutritious forage, hogs, sheep, cattle, etc., being especially fond of it. Grown in this section largely for grain. Yields 25 to 50 bushels per acre. Invariably brings good market price. Sow 1 to 1½ bushels per acre broadcast.

Prices on Application.

Oats

Appler, Virginia Gray and other best varieties for Fall and Spring sowing. 32 lbs. per bu. Sow 64 to 90 lbs. per acre.

Prices on Application.



Rye

Seed Rye

The most popular Fall seeded forage and fertilizing crop grown. Furnishes excellent green food for poultry, hogs and live stock of all kinds. Keeps stock healthy and saves expensive commercial dry feeds. Hogs on rye pasture will make the same gains with half the amount of grain feed. Sow 1 to 1½ bu. per acre broadcast.

Rosen and other varieties. Sow 1½ bu. to the acre from July to November. 56 lbs. per bu. Sow 85 to 100 lbs. per acre.

Prices on Application.

Seed Wheat

Bearded and Beardless varieties. 60 lbs. per bu. Sow 90 to 100 lbs. per acre.

Prices on Application.

Field Corn

8 quarts to the acre.

Prices Subject to Change Without Notice.

Collier's Success—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.** Price for larger quantity on application.

Yellow Leaming—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 90 days. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.** Price for larger quantity on application.

Golden Beauty—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.** Price for larger quantity on application.

Maryland Yellow Dent—Large ear; moderate size stalk; withstands drought well. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.** Price for larger quantity on application.

Hickory King—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally two ears to the stalk and occasionally three. **Qt. 25c; ¼ pk. 40c; bu. \$3.00.** Price for larger quantities on application.

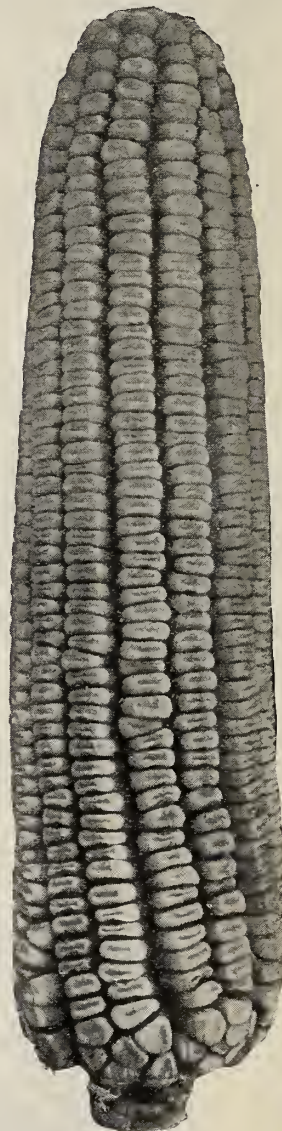
Boone County White—Recommended by the Agricultural Experimental Stations. A fine, large deep-grained variety, originated by one of the best corn breeders. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.** Price for larger quantity on application.

Collier's Excelsior—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. **Qt. 25c; ¼ pk. 40c; bu. \$2.50.**

M. & S. White Ensilage Corn—Very prolific, tall grower. **Qt. 25c; ¼ pk. 40c; bu. \$2.75.**

Red Cob 90-Day Corn—A valuable corn for the truck farmer, as it readily sells for sugar corn on account of its similarity, showing long blades on the ears; very delicious when young. **Qt. 20c; 2 qts. 35c; pk. \$1.00; bus. \$3.00.**

Mr. Herman Gunther, of Solley, A. A. Co., Md., states that from 2 bus. of Thomas Laxton Peas which he purchased from us he picked 100 bus. of sweet as sugar peas and received \$2.75 per bu. for the crop.



Boone County White Corn



M. & S. ROLAND PARK GRASS SEED—Use 1 lb. to 200 square ft. of ground; from 50 to 60 lb. to the acre.

Great Many of the Finest Lawns Around Baltimore Are Seeded With M. & S. Well-Known LAWN SEEDS

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. Our M. & S. Roland Park Lawn Grass Seed produce beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvet appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out.

M. & S. ROLAND PARK LAWN GRASS—1 lb. 35c; 3 lb. \$1.00; 5 lb. \$1.60; 10 lb. \$3.00; bu. of 30 lb. \$8.75.

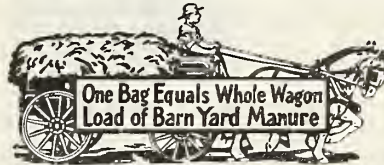
M. & S. SHADY NOOK GRASS—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees. 1 lb. 35c; 3 lb. \$1.00; 5 lb. \$1.60; 10 lb. \$3.00; bu. of 30 lb. \$8.75.

M. & S. PLEASURE GROUND MIXTURE—For fair greens, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvet lawn, hence the need of a fine mixture. 1 lb. 35c; 3 lb. \$1.00; 5 lb. \$1.60; 10 lb. \$3.00; bu. of 30 lb. \$8.75.

M. & S. GOLF LINK MIXTURE—This mixture is composed exclusively of fine-bladed grasses which will withstand frequent close cutting and trampling. It does not contain any White Clover, the latter not being suitable for the closely cut golf lawn. It is very important that only grasses which fulfill all requirements for the golf course are used in this mixture. 1 lb. 75c; 3 lb. \$2.00; 5 lb. \$3.25; 10 lbs. or more, at 55 cents per lb.

M. & S. Permanent Pasture Mixture, either for Low or Up Lands. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. 1 lb. 35c; bu. of 20 lbs. \$6.00.

White Clover— $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; 1 lb. 75c.



High Grade Shredded Cattle and Sheep Manure—Should be used liberally on all lawns. The manure we offer will not produce any weeds. We can furnish you a whole wagon load in a 100 lb. bag. (For prices see index.)

CRAB GRASS OR DIGITARIA HUMIFUSSA ON LAWNS

If, in the course of events, the fine green lawn on which so many hours of attention has been spent, turns purple in spots so that it seems to have become infected with some dread and obscure disease—blame it on digitaria humifussa.

Such a change often comes over the best of lawns between the first of August and the last of September. Robert C. Dahlberg, in charge of the State Seed Laboratory at University Farm, said it may be ascribed to the presence of digitaria humifussa, otherwise "small crab grass."

The pest is found throughout the entire East in great quantities, said he. This is the treatment he recommends:

When the grass is heading the lawn should be carefully mowed and all grass collected in a collector attachment. To raise the seedheads above the lawn grass a rake should be used and then another application of lawn mower made.

BEAUTIFY THE HOME GROUNDS

In considering the purposes of planting in the home grounds, more and more emphasis is being put upon providing a place of reasonable seclusion where the life of the family may be carried on in pleasant weather amid the delightful surroundings afforded by a garden. Such a place becomes, in effect, an outdoor living room. It is a logical answer to the demands of our summer weather; it carries further the idea which has popularized porch life and puts to valuable use costly space which is frequently wasted.

Why should the owner of a 50-foot lot, 100 feet deep, be satisfied to confine his real use of that area to the space covered by his house, perhaps 25 by 40? If \$1,500 be taken as the average ground value of the small home grounds, \$300 worth is all that is thus used. The rest is commonly devoted to purely ornamental front lawn, and frequently unsightly back yard used, if at all, for hanging up clothes. For an expenditure of little more than the cost of a single piece of furniture in the living room, an outdoor apartment may be built, with grass for carpet, shrubbery for walls, and flowers for decorations, which may well be the most frequented part of the home during six months of the year.

WE SUPPLY SHRUBBERY AND TREES FOR THESE DECORATIONS.

M. & S. FLOWER SEED DEPARTMENT

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following explanation:

Annuals. These grow and bloom, mature their seed, and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

All Flower Seeds are 5c Package unless otherwise noted. All annuals are marked (a); Biennials (b); Perennials (p).

1a. *Aconitum* (p) (Monks Hood) Pkt. 10c.

1. *Adonis* (a) (Bird's Eye)—One of the choicest Spring flowering plants. Crimson.

2. *Ageratum* (a) Floss Flower—An excellent plant for edging or solid effects. A continuous bloomer. Imperial Dwarf Blue, Imperial Dwarf White or mixed. Pkt. 5c; oz. 75c.

3. *Alyssum* (a) (Carpet of Snow)—One of the most popular garden flowers; in bloom all season. Used for edging or in rockeries or vases. Pkt. 5c; oz. 75c.

4. *Amaranthus* (a)—Decorative Foliage plants. Caudatus (Love Lies Bleeding) drooping crimson racemes. Tri-color Splendens (Joseph's Coat), leaves red, yellow and green.



Antirrhinum or Snapdragon

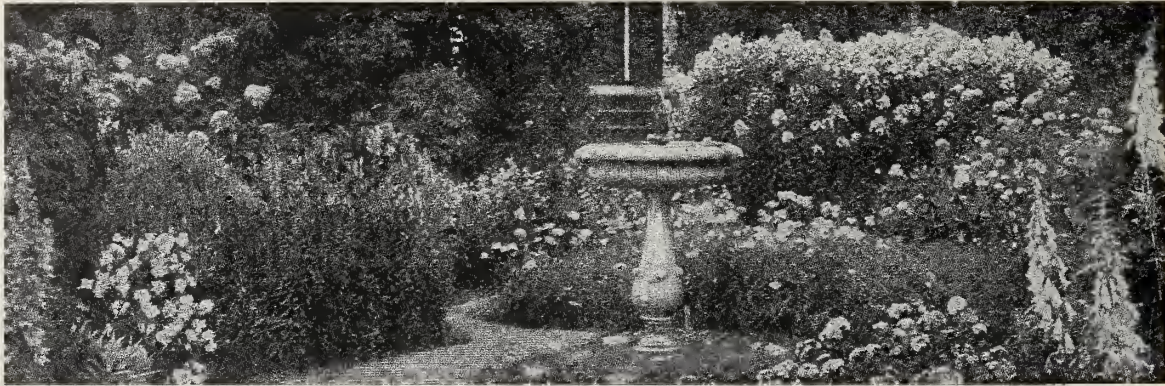


Alyssum

5. *Antirrhinum* (p) (Snapdragon) — A splendid plant for beds or borders and one of our choicest cut flowers. To have flowers early, sow indoors during February and March. Empress, crimson; Fawn, pink suffused yellow; Golden Queen, yellow; Purity, white; Silver Pink, pink self. All—Pkt. 10c; oz. \$1.00. All colors mixed—Pkt. 5c; oz. 90c.

M. & S. SUPERB
ASTERS

To our minds there is no other flower which combines so much beauty with grace and usefulness. In bloom from July till frost. To have early flowers sow indoors from March till May, otherwise sow outdoors. Asters require well-pulverized soil.



6. **M. & S. AMERICAN BEAUTY ASTER**—The Queen of All Asters. Very new, far superior to Paeony and Branching varieties. In 7 colors: Azure Fairy, light blue; Carmine, Rose, Purple, Lavender; September Beauty, delicate flesh pink; White Beauty, giant white, and all colors mixed. Pkt. 10c, 25c and 50c; oz. \$2.50.

7. *Aster Paeonie*—Flowering: White, rose, scarlet, light blue, dark blue and choice mixed. Pkt. 10c; 3 for 25c; oz. \$2.00.

8. *Aster (Ostrich Plumed)*—Very beautiful: White, rose, crimson, light blue, dark blue and choice mixed. Pkt. 10c; 3 for 25c; oz. \$2.00.

9. *Asters, Semple's Branching*—In 6 distinct colors: White, pink, crimson, lavender, dark blue, sulphur yellow and all colors mixed. Pkt. 10c; 3 for 25c; oz. \$1.75.

10. *Aster, Queen of the Market*—Very early: White, pink, lavender, scarlet, dark blue and choice mixed. Pkt. 10c; 3 for 25c; oz. \$1.50.



American Beauty Aster

11. *Asters*—China, mixed, double, choice colors. Pkt. 5c; oz. \$1.

11a. *Perennial Aster* (Michaelmas Daisy)—Pkt. 10c.

12. *Balloon Vine* (a) (Love in a Puff)—A rapid growing annual climber. Seed pods look like miniature balloons.

13. *Balsam* (a) (Lady's Slipper)—An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers.

14. *Balsam Apple* (a) (Momordica)—Handsome climbing annual bearing ornamental orange colored fruit.

14a. *Begonia* (a)—Invaluable for bedding and pot culture; about one foot high, beautiful foliage pink, white and crimson mixed. Pkt. 10c.

Gentlemen:

Permit me to express appreciation for the wonderful results obtained in the planting of asters and snapdragons from your seeds.

I was very late in planting, but the wonderful shades of the snapdragons especially have brought forth unstinted praise from friends and neighbors.

Gratefully yours,

BERNARD W. CLEMENTS,
3007 Tyndale Avenue.

For the convenience of our customers and our own, Flower Seed may be ordered by number.

ALL FLOWER SEED PACKAGES ARE 5 CENTS UNLESS OTHERWISE STATED

15. Calendula (a) (Pot Marigold)—Free flowering, in bloom from early summer till frost. They may also be successfully grown indoors. Lemon, Queen, Meteor, Orange King and mixed. **Oz. 40c; pkt. 5c and 10c.**

California Poppy—(See Eschscholtzia)

16. Calliopsis (a)—A very showy annual in bloom from early summer till frost. Lemon, yellow with dark brown centers, rich crimson and mixed. **Oz. 40c; pkt. 5c and 10c.**

17. Campanula Media (p) (Canterbury Bell)—These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed. **Oz. 75c.**

18. Canary Bird Vine (a)—One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. **Oz. 35c; pkt. 5c.**

18a. Candytuft (a)—Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Pink, rose, white and choice mixed. **Oz. 40c; pkt. 5c.**

Perennial Candytuft—See Iberis.

19. Canna (a)—(Indian Shot)—Although these are generally planted from roots, they may be grown from seeds. **Oz. 30c; pkt. 5c.**

Canterbury Bell—See Campanula.



Candytuft

19a. Carnation (a) Marguerite. These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter they will revive the following spring and bloom during that whole season. **Pkt. 10c; 3 for 25c; oz. \$1.00.**

19b. Cardinal Climber (a) (Ipomoea Quamoclit Hybrida)—One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 feet; it is densely clothed with palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1 1/4 inches across. **Price: Pkt. 10c; 3 pkts. for 25c.**

20. Centaurea (a) (Centaurea Cyanus, Cornflower)—Also known as Blue Bottle, Ragged Robin, Bachelor's Button. An old favorite garden annual. **Pkt. 5c; oz. 40c.**

21. Centaurea Imperialis, or Sweet Sultan—Gigantic, beautiful, sweet-scented flowers, borne on long stems. Mixed. **Pkt. 5c; oz. \$1.**

22. Centaurea, White Leaved (Dusty Miller)—Grown for their silver foliage; fine for edging and hanging baskets. **Pkt. 5c; 1/4 oz. 30c.**

22a. Cerastium (a) (Snow in Summer)—Dwarf, white-leaved edging plant; flowers white. **Pkt. 5c; oz. 40c.**

22b. Chrysanthemum—Annual and perennial varieties.

23. Cineraria—One of the most ornamental and useful plants for conservatory and house decorations. **Mixture, 60c and \$1.00.**

23a. Clarkia (a)—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1 1/2 feet. **Pkt. 5c; large pkt. 20c.**



Cardinal Climber

Castor Bean—See Ricinus.

24. Celosia Cristata (a) (Crested Cockscomb)—Very desirable annuals of easy culture; large comb-like heads, excellent border plants, very good for pots. Mixed. **Pkt. 5c; oz. \$1.00.**

24a. Celosia Plumosa (a) (Feathered Cockscomb)—Very decorative plant for the garden. The feathery plumes are excellent for cutting. Can also be cut and dried for winter use. Mixed colors. **Pkt. 5c; oz. 60c.**

25. Copea Scandens (a) (Cups and Saucers Vine)—Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edge-wise, and merely cover with light soil.

25a. Coreopsis (Lanceolata Grandiflora)—A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer months. Seed sown in March will flower the same season. Height, 2 1/2 feet.

25b. Coleus (a)—Large Leaved Hybrids—Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature. **Pkt. 10c; 3 for 25c.**

Convolvulus—See Japanese Morning Glory.

26. Columbine, or Aquilegia (p)—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Single or double mixed, white, yellow, blue, rose. **Pkt. 5c; oz. 75c.**

27. Corn, Rainbow—Stalks grow 5 feet tall, leaves very ornamental. Excellent for decorating.

28. Cosmos (a) (Lady Lennox)—Giant flowering. An autumn flowering plant. A charming, profuse bloomer. Crimson, pink, white and all colors mixed. **Pkt. 5c; oz. 50c.**

28a. Cosmos Klondyke—Same as above, but a clear orange yellow. **Pkt. 10c; oz. \$1.00.**

29. Early Summer-flowering Cosmos—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 feet. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer. **Pkt. 5c; oz. 50c.**

30. Double-crested Cosmos (a)—Extra early flowering. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white and crimson. Seed scarce. **Pkt. 10c; 3 pkts. 25c.**

31. Cypress Vine (Ipomoea Quamoclit)—A very graceful annual climber, with feathery foliage and beautiful, star-like flowers. **Oz. 50c.**

32. Dahlias (from seed)—There is no more fascinating flower to raise from seed than the dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past. Cactus single and double flowering varieties. **Pkt. 5c, 10c and 20c.**

33. Daisy (p), English Double (Bellis Perennis)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches; white, pink and mixed. **Pkt. 10c and 25c.**

33a. Shasta Daisy—Very large; white single flowers on long stems. **Pkt. 10c and 25c.**

34. Dianthus (p), China Pink—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, double mixed, pure white, pink and crimson. **Pkt. 5c; oz. 60c.**



Columbine



Cosmos



Dianthus

WIZARD
TRADE BRAND MARK
PULVERIZED
Sheep Manure

The best for garden work. Comes in convenient packages. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00.

**Delphinium, or Larkspur (Hardy)**

season; excellent for cutting.

36a. Didiscus—Lace Flower—This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as 50 flowers open at one time. **Pkt. 10c and 25c.**

37. Digitalis (p) (Foxglove)—Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet. **Pkt. 5c and 25c; oz. \$1.00.**

38. Dolichos (a) (Hyacinth Bean, or Texas Climber)—Showy climber, making rapid growth. White, purple and mixed. **Pkt. 5c; oz. 20c.**

39. Eschscholtzia (a) (California Poppy)—An elegant hardy annual with fine cut foliage and large poppy-like flowers; blooms from June till frost; fine for borders or large beds. Yellow and choice mixed. **Pkt. 5c; oz. 40c.**

40. Euphorbia (a)—Plants with ornamental foliage, very showy and easily raised from seed. Known as "Snow on the Mountain." **Pkt. 5c; oz. 60c.**

40a. Echinops (p) Globe Thistle—Excellent background for perennial border; blue; 6 feet. **Pkt. 10c.**

Forget-Me-Not—See *Myosotis*.

**Gaillardia**

45. Gypsophila (a) (Baby's Breath)—Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers. White and carmine. 2 feet. **Pkt. 5c; oz. 50c.**

45a. Gypsophila (p)—Paniculata alba. White. **Pkt. 10c; oz. 75c.**

Helianthus—See Sunflower

46. Heliotrope (a)—A well known and highly prized plant on account of the delightful fragrance of the flower. Excellent for pots or beds. **Pkt. 5c and 25c.**

47. Helichrysum (a) (Strawflower)—One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried. Mixed colors. **Pkt. 5c; oz. 50c.**

48. Humulus (a) (Japanese Hop)—A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. **Pkt. 5c; oz. 50c.**

35. Delphinium (Hardy Perennial Larkspur) — Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flowerspike is cut back promptly it will branch and flower all through Fall. **Formosum:** Blue white, centre. **Chinese Album:** White. **Chinese Azureum:** Blue. **Kelway's Giant:** Mixed. **Pkt. 10c; 3 for 25c; oz. \$1.00.**

36. Dimorphotheca (a) (Golden Orange Daisy)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire

48a. Hibiscus (p) (Mallow) — These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; and Golden yellow, Sunset; height, 4 ft.

49. Hollyhock (p)—One of the most popular and desirable of hardy perennials. Excellent for planting among shrubbery or fringing a background for other flowers; 6 to 7 feet. **Chater's Improved Double Hollyhock** in separate colors: Rose white, salmon, maroon, yellow, Newport pink, crimson and mixed colors; also single choice colors mixed. **Pkt. 5c; oz. \$1.25.**

49a. Heliopsis (p)

(Orange Sunflower)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.

**Helichrysum or Strawflower**

49b. Hunnemannia (a) (Giant Yellow Tulip Poppy)—Sown outdoors in May it produces large quantities of giant yellow tulpi-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.

Hyacinth Bean—See *Dolichos*.

Ipomoea—See Moonflower.

49c. Ice Plant (a)—Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

49d. Iberis (p) (Candytuft)—White; 12 feet. **Pkt. 10c; 1/4 oz. 80c.**

50. Job's Tears (a)—Seeds are used for stringing instead of beads. **Pkt. 5c, oz. 50c.**

Kochia or Summer Cypress

51. Kochia (a) (Summer Cypress, or Mexican Fire Bush)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; 2 to 3 feet. **Pkt. 5c; oz. 40c.**

Lace Flower—See *Didiscus*.

52. Kudzu Vine (p) (Puevaria Thunbergiana)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc. **Pkt. 10c.**

52a. Lantana (a)—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble *Verbena*; plants bloom all Summer. Mixed. **Pkt. 5c; oz. 50c.**

Larkspur—See page 28.

53. Lathyrus Latifolius Perennial Sweet Pea) — Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red and white pearl. Mixed colors. **Pkt. 5c; oz. 60c.**

54. Lupinus (a)—Very desirable garden plants, showy, excellent for cutting. Graceful spikes 2 feet long in various shades of white, blue, pink and yellow mixed. **Pkt. 5c; oz. 60c.**

55. Lupinus (p)—Mixed colors. **Pkt. 10c.**

Marigold (a)—These are old favorite free flowering annuals with rich showy flowers blooming all summer. The tall African varieties are best for garden and cutting, while the dwarf French varieties are best suited for edging and bedding purposes. In colors and mixed.

56. Marigold, French—Legion of Honor, single brown and yellow; Golden Ball, double golden yellow, dark and all colors mixed. **Pkt. 5c and 10c; oz. 60c.**

57. Marigold, African—Lemon Queen, Orange Prince and mixed colors. **Pkt. 5c and 10c; oz. 75c.**

**Marigold**



Marvel of Peru

53. Larkspur (annual)—Splendid annuals of easy culture. When sown early in spring will produce blooming plants in July. Graceful, fern-like foliage and slender spikes. Fine for cutting and garden decorations. **Pkt. 5c; oz. 75c.**

Larkspur (perennial)—See Delphinium.

Lily of the Valley—We furnish strong clumps for 25c.

53a. Lobelia (a)—No garden is complete without an edging of blue lobelias. Very desirable for pots and hanging baskets.

59. Marvel of Peru (a) (Four o'Clock)—Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 feet. **Pkt. 5c; oz. 30c.**

Mignonette (a)—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter.

60. Golden Machett—Pkt. 5c; oz. 50c.
60a. M.-S. Extra Fine Mixed—Pkt. 5c; oz. 50c.

60b. Mimulus (a) (Tigrinus)—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 ft.

Momordica—See Balsam Apple.

61. Moon Flower (a) (Ipomoea Noctiflora) Climber. At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. **Pkt. 5c; oz. 75c.**

61a. Moschatus (Musk Plant)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches. Mammoth flowering.

62. Mixed Imperial Japanese Morning Glories—These are beyond question the handsomest of all Morning Glories. Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm and settled; they soon cover a large area, and even before flowering are decidedly interesting on account of the varied forms of the foliage and their markings. The flowers are of gigantic size and their colorings beyond description; the self or solid colors range from snow-white to black-purple, with all the possible intermediate shades; there is also an endless number having flowers spotted, marbled, striped, flaked, etc. **Pkt. 5c; oz. 25c.**



Mignonette

63. Double-Flowering Morning Glories—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white spotted with red, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors. **Pkt. 10c; oz. \$1.00.**

64. Fancy Fringed Morning Glories—The perfection of Morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. **Pkt. 10c; oz. 50c.**

Mourning Bride—See Scabiosa.

65. Myosotis (a) (Forget-Me-Not)—Beautiful, half hardy perennials, blooming the first year.

Nasturtium—See below.

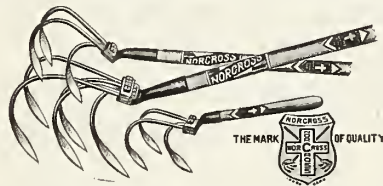
65a. Nicotiana (a)—Splendid pure white, Vouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.

66. Oenothera (a) (Evening Primrose)—Beautiful low-growing plant, producing large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors; mixed.

66a. Passion Flower (p) (Southern Beauty)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

Use our **High-Grade Sheep and Cattle Manure** extensively in your flower garden and be repaid by best results. We can sell you a cart load in a 100 lb. bag. (See index for price.)

NORCROSS CULTIVATORS AND WEEDERS



Most modern tools for garden and flowers; light and strong; cultivate closer to plants without injuring them, than other implements, leaving soil level, loose, untrampled.

Three sizes and prices: 5-pronged, 4 ft. handle, \$1.00; 3-pronged, 4 ft. handle, 75c; "Midget," 9 in. handle, 40c. Weight, 3 pounds, 2 pounds, 12 ounces.

M. & S. GIANT FLOWERING NASTURTIUMS

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

M. & S. Dwarf-Named Nasturtiums

67. Vesuvius (Salmon Rose)—These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from sowing, and most profusely the whole season.

68. Chameleon—Produces various colors and markings on the same plant.

69. Empress of India—Dark-leaved velvety dark scarlet flowers; select flowers.

70. Spotted King, or Ladybird—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

71. Queen of Tom Thumbs—Variegated foliage; choicest mixture.

72. Golden Queen—Yellow-leaved, with golden yellow flowers.

Prices on all the varieties as follows: **Pkt. 5c and 10c; oz. 20c; ¼ lb. 60c.**

Our Nasturtiums are noted for their size, variety and brilliancy.

M. & S. Fancy Giant Flowering Mixed Dwarf—Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

M. & S. Tall or Climbing Nasturtiums—For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**



M. & S. Tall or Climbing Nasturtiums



M. & S. Giant Flowering Dwarf Nasturtiums

DO NOT HESITATE TO CALL ON US OR PHONE US FOR ANY INFORMATION PERTAINING TO RAISING OF VEGETABLES, OR FLOWER, GRASS AND FIELD SEEDS.

M. & S. PERFECT PANSIES

PANSIES

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shady situations.

73. Triumph of the Giant Pansy—Immense flowers of great brilliancy and richness of coloring, including many new and rare

M. & S. Triumph of the Giant Pansy

shades. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

73a. Masterpicce (Frisled Pansy)—Flowers beautifully curled or waved. Exquisite colors. Pkt. 25c; 5 pkts. \$1.00.

73b. Very Fine Mixed Pansy—Pkt. 5c; oz. \$1.50.

74. Steele's Special Greenhouse Mixture—Equally good for outdoor. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

Gentlemen—The tulips and hyacinths which I purchased from you are a wonder and the best I have received in my life.
MRS. P. H. ROSENDROLE, 4725 Harford Ave., City.



M. & S. Giant Exhibition Pansies

74a. M. & S. GIANT EXHIBITION PANSIES—A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Pkt. 10c; 3 for 25c; \$3.00 per oz.

M. & S. GIANT PANSIES—In separate colors.

75—Mention variety wanted when ordering.

Lord Beaconsfield—Purple, violet and white.

Snow Queen—Pure white.

Emperor William—Indigo blue black, blotched.

Canary Bird—Pure yellow.

King of the Blacks—Lustrous jet black.

Lord Baltimore—Yellow maroon blotches.

May Queen—White with violet blotches.

All the above: Pkt. 10c; 3 pkts. 25c.

Poppies

ALL FLOWER SEEDS 5 CTS. PER PKG. UNLESS OTHERWISE NOTED

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.



Oriente Poppies

76. Orientale Poppies (p)—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere, and mixed; 3 feet.

76a. "Mikado" (a)—Double the Striped Japanese Poppy—This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum.

77. American Flag (a)—Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

77a. Double Flowered Mixed Poppies (a)—Immense double flowers, resembling a Peony; two feet.

78. M. & S. Shirley Poppies (a)—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors; mixed. Oz. 40c.

78. Iceland Poppy—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through

several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

Yellow Tulip Poppy—See Hunnemannia.

79. Portulaca (Mexican Rose)—Brilliant hardy annual, of easy culture; excellent for massing in beds, or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. Single—Pkt. 5c; oz. 75c.

80. Double Portulaca—Pkt. 10c; oz. \$2.00.

80a. Primula (a)—Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high; mixed colors. Pkt. 10c.

80b. Primula Obconica—Used for greenhouse; very finest mixture. Pkt. 30c and 60c.

80c. Primula Chinensis (Chinese Primrose)—Very finest mixture. Pkt. 30c and 60c.

80d. Pyrethrum (p)—Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

80e. Rhodanthe (a)—Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.

Do not forget to include in your order a bag of our high grade sheep manure, which will cover as much ground as a cart load of manure.

Petunia

81. M. & S. PETUNIA MAMMOTH

(a)—The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period.

82. Snowball—Pure white.

82a. Rosy Morn—Pink; all colors mixed.

Price on three above: Pkt. 5c and 25c; oz. \$1.50.

83. Howard's Star Petunia—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star. Single. Pkt. 5c and 25c; oz. \$3.50.

83a. M. & S. De Luxe Bedding Petunia—Embracing only large flowering, gorgeous colored varieties. Pkt. 10c and 25c; oz. \$2.50.

85. Hardy Phlox (p)—For a gorgeous show these are the on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, crimson-white striped, pink with white eye, purple white striped, yellow-white with pink eye, rose-white striped, or all colors mixed. When ordering, mention color wanted. Pkt. 5c and 25c; oz. \$1.50.

85. Hardy Phlox (p)—For a gorgeous show these are the most satisfactory of all perennial plants, 2 feet high, in all bright colors; seed sown late in Fall will germinate in the Spring; mixed and white, pink, lavender and scarlet. Pkt. 10c; 3 for 25c; oz. \$2.00.

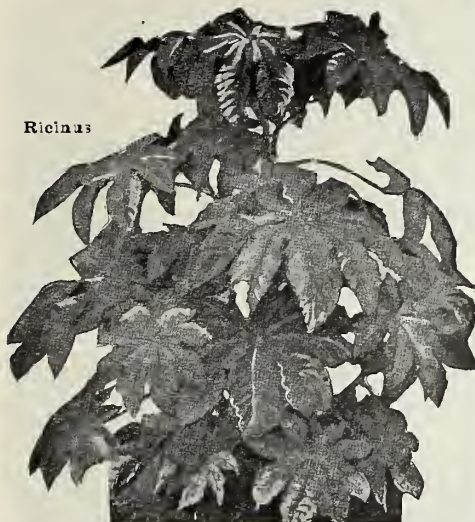
We count among our valued customers many of the leading Clubs, State, Protestant, Catholic and Hebrew Institutions, Schools, Hospitals, Sanatoriums, Florists, Farmers and Private Gardeners.



Petunia

Ricinus (a) (Castor Oil Bean)

Ricinus



One of our best ornament - leaved annual plants, largely used for the center beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

86. Sanguines—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Leaves a beautiful blood-red. Pkt. 5c; oz. 25c.

87. Communis Major—Very large and most showy green foliage; standard variety; 10 to 15 feet. Pkt. 5c; oz. 25c.

88. Gibbosa—A variety with beautiful and gigantic deep bronze leaves; 10 feet. Pkt. 5c; oz. 25c.

89. M. & S. Ricinus Mixture—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 5c; oz. 20c.

89. Rudbeckia-Newmani (p)—One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals surrounding a large black cone. Pkt. 10c.

Salvia (a) (Scarlet Sage)

90. Salvia Splendens—This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hot-beds. Best bedder, beautiful scarlet flowers of immense size. Pkt. 5c and 10c; oz. \$2.00.

91. Salvia Bonfire—Compact bushy plants; two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. Pkt. 5c; ¼ oz. 75c.

91a. Salvia Early Dwarf Zurich—Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant, borne well above its handsome foliage. Color brilliant scarlet. Earliest of all. Pkt. 10c; ½ oz. 75c.

92. Salpiglossis (a) (Painted Tongue)—Very beautiful, hardy, annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop.

93. Scabiosa (a) (Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

94. Scarlet Runner (a)—Ornamental and useful climbing beans. Pkt. 5c; oz. 10c.

95. Sensitive Plant (a) (Mimosa)—A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ feet high.

95a. Smilax—A well-known greenhouse climber, with small, dark-green foliage; of great value in floral work. Pkt. 10c; oz. 60c.

Snapdragon—See Antirrhinum.

96. Stock (a)—Half-hardy annual; fine for cutting, bedding or edging, also pot culture; average 1 to 1½ feet. Mixed colors, 5c. White, pink, yellow, crimson, light blue, dark blue, separate colors. Pkt. 10c each.

96a. Stokesia (p) (Cornflower Aster)—Blooms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

Strawflower—See Helichrysum

97. Sweet William (p) (Dianthus Barbatus)—This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single crimson, single red with white eye, single velvety maroon, single white and choicest double mixed, single mixed; all colors. Each, 5c pkt; oz. 75c.

98. Sweet Sultan (a) (Centaurea Moschatos)—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

Sweet Peas—See page 35.



Scabiosa

Sunflower (a)

98a. (THE UNIQUE RED SUNFLOWER)



The Unique Red Sunflower

Of recent introduction. The plants reach a height of from 5 to 8 ft. and throw out many branches. Flowers are very numerous, of good form, usually having large long rays and small discs. Heads vary greatly in size—some are only 2 or 3 ins. across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of rich chestnut red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border interesting and attractive. Some few seeds will produce plants bearing yellow flowers; for, although the seeds came from carefully selected stock, they were grown in a region where

sunflowers abound and the wild, doubtless, have crossed some with pollen from the wild flowers. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. Pkt. 10c; oz. 50c.

99. Double Sunflower (a)—Dwarf chrysanthemum-flowering; very attractive. Pkt. 5c; oz. 40c.

100. Sunflower (a) (Large Russian)—Six to eight feet high; immense flowers. Oz. 10c.

101. Thunbergia (a) (Black-Eyed Susan)—Beautiful. Very ornamental climber.

102. Verbena (a)—Dwarf bedding plants for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M. & S. Fancy White, Scarlet, Dark Blue, Light Blue, Scarlet-White Eye, Pink-White Eye, Violet-White Eye and all colors mixed. When ordering state color wanted. Pkt. 5c; oz. \$1.50.

103. Vinca (p) (Madagascar Periwinkle)—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

103a. Violet (p)—Deservedly much in demand because of their profusion of bloom and delicate odor. Purple Queen and finest mixed. Pkt. 10c.

103b. Veronica-Longiflora (p)—Blue flowers; two feet high, August to October. Pkt. 10c.

104. Wallflower (p)—Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders.

Cloth of Gold—Yellow.

Early Feltham—Fine brown, dwarf.

Vulcan—Dark blood-red; all colors mixed. State color wanted. Pkt. 5c; oz. 40c.

Creamy White—Pkt. 5c; oz. 40c. State color wanted.

Wallflower—All colors mixed. Pkt. 5c; oz. 40c.

105. Wild Flower Garden (a)—Fine mixture of old favorites. Pkt. 5c; oz. 15c.

103. Chinese Wool-Flower

This was introduced from China some years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual. Its ease of culture and long continued season of bloom (early in July until frost) together with its massive bunches of wool-like flowers and glowing colors make it the showiest as well as the most odd and novel garden flower.

Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out. None of the blooms fade in any way until hit by frost, but all continue to expand and glow with a deepening richness of color, a deep crimson-scarlet. Seed: 10c per pkt.; 3 pkts. for 25c.



Chinese Wool-Flower

M. & S. SPENCER, or ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems.

- | | |
|--|--|
| 104a. Constance Hinton—Best White. | 110. King Edward—Pure Red. |
| 105b. Blanche Ferry—Pink and White. | 111. Margaret Atlee—Rosy Buff. |
| 106c. Mrs. Rontzahn—Apricot and Straw Color. | 112. Blue Picotee—White-Blue Edge. |
| 107. Wedgwood—Blue. | 113. Masterpiece—Lavender. |
| 108. Primrose Spencer—Pink. | 114. Othello Spencer—Deep Maroon. |
| 109. Hercules—Pure Pink. | 115. Florence Nightingale—Bluish-Lavender. |

Price on all the above—Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.

M. & S. SUPERB SPENCER MIXTURE—A mixture that cannot be surpassed. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

M. & S. Gilt Edge Sweet Pea Mixture

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring a gorgeous color effect. Pkt. 5c; oz. 10c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c.

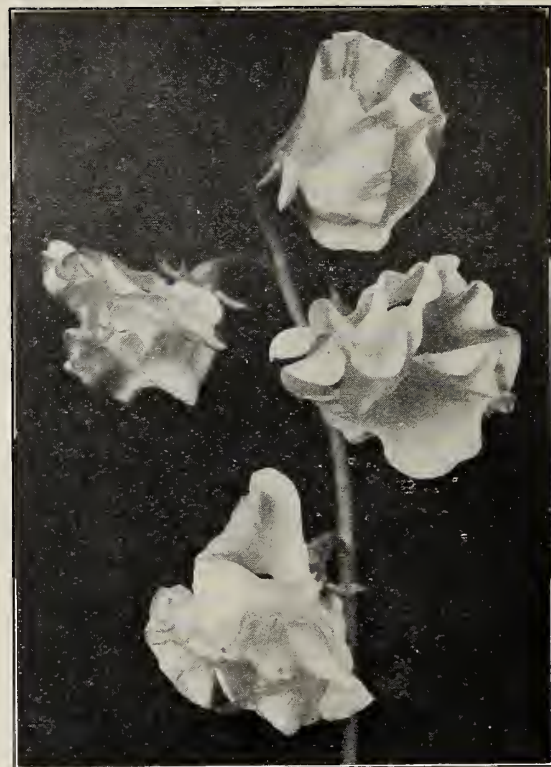
M. & S. Winter Flowering Spencer Sweet Peas

For indoor forcing. This seed has been grown from originator's stock and can be depended upon for excellent results.

116. **Snow Flake**—Large and of the best waved Spencer form. The pure white flowers are borne in wonderful profusion on long stems.
117. **Lavender Orchid**—Rich, true, deep lavender throughout; of large size and well waved.
118. **Zvolanek Red**—Extra large; color, pure deep red.
119. **Columbia**—Salmon color standard; white wings.
120. **Yarrowa**—Flowers exquisitely waved, of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings.
121. **Hercules**—Flowers are of extra large size, of good substance and beautifully waved; color, soft rose pink.

All the above, 10c per pkt.; ½ oz. 40c; 1 oz. 75c.

FARMOGERM NITROGEN-FIXING BACTERIA, SPECIALLY PREPARED FOR SWEET PEAS. GARDEN SIZE, 50c.



Spencer, or Orchid Flowering Sweet Peas

M. & S. CHOICE ZINNIAS

(YOUTH AND OLD AGE)

The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite. The seed can be sown early in the hotbed or light window and transplanted, or sown later in the open ground. They come into flower early in the summer, and keep on blooming until hard frost. The varieties offered are the most important kinds.

M. & S. SPECIAL STRAIN OF GIANT FLOWERING DOUBLE ZINNIAS—A special strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet and bearing on long strong stems numerous semi-globular, mostly very double flowers, all of the

largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early summer to late autumn.

We offer six of the most wanted colors, separately, as well as a splendid mixture of many colors, as under:

- Giant Flowering**
122. **Golden Yellow.** Pkt. 10c; oz. 75c.
123. **Bright Scarlet.** Pkt. 10c; oz. 75c.
124. **White.** Pkt. 10c; oz. 75c.
125. **Pink Salmon.** Pkt. 10c; oz. 75c.
126. **Canary Yellow.** Pkt. 10c; oz. 75c.
127. **Dark Scarlet.** Pkt. 10c; oz. 75c.
- Collection of a packet each of the above 6 colors 50c.

128. **Giant Flowering, Dwarf—Mixed.** All colors. Pkt. 5c; oz. 50c.
129. **Giant Flowering, Tall—Mixed.** All colors. Pkt. 5c; oz. 50c.

130. M. & S. Victory Zinnia

This is a new introduction of Zinnia, forming quille petals. Choice mixed including all beautiful and several new colors. Pkt. 10c; oz. \$1.00.

131. Curled and Crested Zinnia

The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt. 10c; oz. 75c.

132. **M. & S. Double Dahlia-Flowered**—The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. As the result of painstaking care and selection the size, form and coloring has been much improved the past season. The mixture which we offer contains a wonderful range of beautiful colors; 3 feet. Pkt. 10c; oz. \$1.00.

133. M. & S. Picotee Type Zinnia

We offer for the first time this exquisite new Zinnia. The flowers, which are no quite as large as the double giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt. 10c; oz. 75c.

Use either one of these on the Sweet Peas you plant, they are all goods.

INOCULATE THIS
SEED WITH
MULFORD CULTURE

Inoculate this
Seed with
FARMOGERM

INOCULATE THIS SEED
THE SEEDS WILL NOT GROW UNLESS THEY ARE
NITRAGIN
BREMSE AND MAXIMOV'S SOIL FACTORY



M. & S. Giant Flowering Zinnia

M. & S. SUPERFINE GLADIOLUS

Our bulbs are
1½-in. and up.

If by Parcel Post, add postage at Zone Rates (average weight, 10 lbs. per 100). Single bulbs and dozens we deliver free in U. S. Culture—What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

Le Marechal Foch—Beautiful shade of light pink, very large flowers, early bloomers. 20c each; \$2.00 doz.

America—A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. 6c each; 60c doz.; 100, \$4.00.

Schwaben—A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well-expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 10c each; \$1.00 per doz.; \$7.00 per 100.

Niagara—An entire new color in Gladiolas, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 7c each; doz. 75c; \$6.00 per 100.

Mrs. Francis King—One of the best and most popular sorts, which comes in for much admiration, both for size of flower and beauty. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 8 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among Gladiolus. 6c each; doz. 60c; \$4.00 per 100.

Halley—Delicate flesh rose, with white blotch, very lovely. 6c each; 60c doz.; \$4.00 per 100.

Panama—A grand new seedling of America which it resembles, but is of deeper pink; flowers very large and spike long. 10c each; \$1.00 doz.; \$7.00 per 100.

Flora—A new golden yellow variety of great excellence, being a free, strong grower with splendid spikes and flowers of large size. 20c each; \$2.00 per doz.

Peace—Immense pure white flowers with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. 10c each; \$1.00 per doz.; \$7.50 per 100.

Baron Hulot, or Blue King—A really fine blue Gladiolus; in color, a rich, royal violet blue; very effective when cut and used in conjunction with a yellow variety. 12c each; \$1.25 per doz.; \$8.50 per 100.

Empress of India—Rich velvety dark red with deep shadings. 12c each; \$1.25 per doz.; \$8.50 per 100.

Loveliness—Very large flowers of creamy-white, suffused with soft pink; a lovely variety. 15c each; \$1.50 per doz.; \$10.00 per 100.

White King—Creamy-white, lavender markings, ruffled. 15c each; \$1.50 per doz.; \$10.00 per 100.

Liebesfeuer—Fiery scarlet, orange shading. 15c each; \$1.50 per doz.; \$10.00 per 100.

Catharina—Light violet, dark in center, very beautiful. 25c each; \$2.50 per doz.

M. & S. Choice Mixed Gladiolus, composed of all named varieties in gorgeous blending. 5c each; 50c doz.; 100 \$3.00



Gladiolus "America"



M. & S. Choice Mixed Gladiolus

M. & S. Superfine Canna Bulbs

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

Culture—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

Note—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants.



King Humbert Canna

Richard Wallace—Light yellow; green foliage; 4½ feet. 7c each; 20c per doz.; \$5.00 per 100.

Gladiator—One of the finest bedders, color deep yellow freely dotted with red; 4½ feet; green foliage. 7c each; 70c doz.; \$5.00 per 100.

Gustav Gumper—This is an ideal, rich yellow bedding Canna; the flowers of a good size, are held well above the foliage. The color is a rich golden yellow; a shade that can be seen as far as the eye can carry. 7c each; 70c doz.; \$5.00 per 100.

Maros—The best white flowering Canna. Its flowers of creamy white are produced very freely on stems thrown well above the foliage. 7c each; 70c doz.; \$5.00 per 100.

King Humbert—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a center, edged with a dwarf yellow Canna, or vice versa, placing it around a center of a tall yellow variety. 8c each; 85c per doz.; \$6.25 per 100.

Uncle Sam—Clear, deep orange flowers, borne in large clusters; often a foot across each, branching stems, about 4 feet; strong vigorous grower. 10c each; \$1.00 doz.; \$7.50 per 100.

Queen Charlotte—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a center of scarlet; 3 feet high; green foliage. 7c each; 70c doz.; \$5.00 per 100.

Wyoming—Bronzy-purple foliage with immense spikes of massive orange flowers; 7 feet. 7c each; 70c doz.; \$5.00 per 100.

City of Portland—A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage, green. 10c each; \$1.00 per doz.; \$8.00 per 100.

The President—This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom, to any other red variety; green foliage; 3½ feet. 10c each; \$1.00 per doz.; \$8.00 per 100.

Canna Plants in May—15c each; \$1.60 doz.; postage extra. 5c per plant, dozen lots, 25c.

M. & S. SUPERB SURE-BLOOMING DAHLIAS

If to be sent by parcel post add 10 per cent to the purchase price.



Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

CLASSIFICATIONS OF DAHLIAS

Class 1.—Cactus—This class embraces the long, narrow-petaled varieties, the petals of which are generally pointed or twisted.

Class 2.—Decorative—This class is an intermediate form having broad, flat petals.

Class 3.—Peony Flowered—A semi-double of the decorative form.

Class 4.—Pompon—This class embraces the small, round Dahlias.

Class 5.—Show—The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, but may frequently have shaded tips, quilled petals.

Class 6.—Single—Century Varieties.

Class 7.—Collarettes—Single flowers with another layer of petals on the stamen.

No Garden is Complete without these Great Favorites.

Cactus Varieties

Countess of Lonsdale—Rich salmon. 15c each; \$1.50 doz.

Flora—Large, pure white flower. 15c each; \$1.50 doz.

Standard Bearer—Rich, fiery red. 15c each; \$1.50 doz.

Wodan—Bold, large, but not coarse flowers, frequently 7 inches in diameter; a graceful arrangement of semi-curved petals of a pleasing delicate salmon-rose color, shading to old gold in center. 25c each; \$2.50 doz.

Patapsco—Six-inch flowers, curled and twisted petals, gracefully arranged, deep silvery mauve rose suffused pink; very much admired. Free bloomer and good habit. 50c each; \$5.00 doz.

Judge Offut—Bright buttercup yellow, shading to amber; free bloomer; large flower. 40c each; \$4.00 doz.

Nancy Mae—An intense scarlet, with maroon shadings; borne on stiff stems; fine cut flower. 25c each; \$2.50 doz.

SINGLE VARIETIES OR CENTURIES

Ami Barrillet—Scarlet crimson flower; dark bronze foliage. 15c each; \$1.50 doz.

Big Chief—Brilliant cherry red; margined rich, velvety maroon. 15c each; \$1.50 doz.

Fringed 20th Century—White at base and lips, center of petals a delicate blush rose, which are deftly cleft, giving a fringed appearance. 25c each; \$2.50 doz.

Rose Pink Century—Clear rose pink; immense size. 15c each; \$1.50 doz.

St. George—Large, pure yellow. 15c each; \$1.50 doz.

Scarlet Century—Bright scarlet. 15c each; \$1.50 doz.

Sensation—A double century. Vivid, scarlet heavily tipped white. 25c each; \$2.50 doz.

Collarettes

Maurice Revoir—Blood red, with a pure white collarette. 15c each; \$1.50 doz.

Valentine—Yellow shading crimson, white collarette. 25c each; \$2.50 doz.

Decorative Varieties

Augusta Nowin—A very large flower of fiery red, very free and borne on long, stiff stems. 25c each; \$2.50 doz.

Celeste Meyer—Strong grower, large flowers of tango red heavily tipped and striped white, very attractive and exquisite, prolific bloomer. 25c each; \$2.50 doz.

Delice—Beautiful glowing rose pink; good stems, fine for cutting. 15c each; \$1.50 doz.

Dorothy Peacock—A beautiful flower; color, best shell pink; fine for cutting. 15c each; \$1.50 doz.

Eleanor Stisser—Tall and vigorous, handsome flowers of a unique shade of buff to salmon, with a distinct shading of pink. 25c each; \$2.50 doz.

Golden West—Best yellow, good stems. 25c each; \$2.50 doz.

Jack's Discovery—White, mottled violet rose. 25c each; \$2.50 doz.

Jack Rose—Rich, velvety crimson. An ideal cut flower sort. 25c each; \$2.50 doz.

Miss Minnie McCullough—Soft yellow overlaid with bronze. 15c each; \$1.50 doz.

Souv. de G. Duzon—Enormous orange red flowers. 25c each; \$2.50 doz.

Papa (Charmant)—Bright, glowing velvet maroon; large, perfectly-formed flowers on long stiff stems. 25c each; \$2.50 doz.

Wm. F. Gude—Pure white, long stems; good keeper, fine for cutting. 25c each; \$2.50 doz.

Baltimore—Lemon - yellow. 25c each; \$2.50 doz.

Mina Burgle—A rich, luminous dark scarlet, on long stiff stems; splendid both for cutting and garden decoration; free flowering. 35c each; \$3.50 doz.

Patrick O'Mara—The flowers are eight inches or more in diameter and borne on long, stiff stems. They are firmly set at right angles close to stem. The color is an unusual soft and pleasing shade of orange-buff, slightly tinged with Neyron rose. An Autumn shade that will be in great demand. It is a splendid shipping and long keeping Dahlia. None better for commercial use or more pleasing for ornamental gardens. \$1.00 each; \$10.00 doz.

The native home of the Dahlia is Central America and Southern Mexico. Its earliest known history dates back to 1657, and at this date was called Acotli by the Aztec Indians. Later its name was changed to Georgina, after Prof. Georgi, or St. Petersburg, which name is still used in some of the German catalogs. Again the name was changed to DAHLIA, after Mr. Dahl, a Swedish botanist. The Dahlia in its native state is single. The first double forms appeared in 1814 and are credited to Mr. Donkelaar. The first double forms were the types now known as SHOW and FANCY. The POMPOM form appeared in 1858 to 1860. Next came the DECORATIVE form, but its origin is not clearly defined, but probably dates back some forty years. The first CACTUS Dahlia originated in 1872, but was not placed on the market until 1880. It was named Juarez after President Juarez of Mexico. This is the popular type of the present day and there are some two hundred named varieties of the Cactus Dahlias today that have descended from the original Juarez. The PEONY FLOWERED type is of quite recent origin, dating back but a few years and is becoming very popular.

Pompon Varieties

Alewine—Flesh edged lavender pink. 15c each; \$1.50 doz.
Allie Mourey—Pinkish white, tipped deep pink. 15c each; \$1.50 doz.
Little Beauty—Delicate shrimp pink. 15c each; \$1.50 doz.
Snowclad—White, an early and profuse bloomer. 15c each; \$1.50 doz.

Show Varieties

Queen of Yellows—Pure yellow, quilled petals. 15c each; \$1.50 doz.
Ethel Maule—Pure white, lavender in center. 15c each; \$1.50 doz.
Zebra—Pearl white, edged pink. 15c each; \$1.50 doz.
Jean Kerr—A pure white bloom, carried gracefully well above the foliage. A foremost variety for cut flowers but just as important as a garden variety, due to its compact growth and free-flowering habit. 25c each; \$2.50 doz.

Timonium—Very prettily twisted petals of light bronze, fine form and good stem. 25c each; \$2.50 doz.

A. D. Livoni—Rich sea shell pink. 15c each; \$1.50 doz.

Crimson Queen—Deep crimson, shaded purple. 15c each; \$1.50 doz.

Peony Flowering Varieties

Hon. R. L. Bordon—Large; distinct, rich, golden bronze. One of the finest of recent introduction. 25c each; \$2.50 doz.

President Fallieres—The color is a most intense red, so vivid as to dazzle the eye, free flowering and of the finest form 25c each; \$2.50 doz.

Seedling No. 37—The most delicate and tender combination of a soft, rosy lavender, suffused and overlaid silvery fawn. 35c each; \$3.50 doz.

OTTILIA MEYER—Named after Mr. Meyer's young daughter. A beautiful Peony Dahlia. The plant is all that could be asked in a sturdy, symmetrical growth, attaining

a height of 6 feet. Blooms very freely on strong stems of remarkable length. Color a tinted cream pink. Beautiful by day and simply grand under artificial light. Being a free root maker it is priced remarkably low for its quality. Price, 50c; \$5.00 dozen, postpaid.

Mrs. Chas. Seybold—Distinct bright crimson-pink; each petal tipped white; very striking. 25c each; \$2.50 doz.

Princess Juliana—Pure white, perfect flowers; dark green foliage; long, strong stems. 40c each; \$4.00 doz.

Box Collection of Dahlias

A new departure; put up in sets of 8 assorted varieties, unlabeled, embracing a wide range of colors, red, white, pink, yellow, variegated, etc. This collection is put up in a telescope box and is sent through Parcel Post to any part of the United States for \$1.00.



Tuberose

Double Pearl Tuberose

Culture—One of the most fragrant and popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 5c each; 40c dozen; \$2.75 per 100, postpaid.

Hardy Japanese Lilies



Lillium Auratum

All herbaceous borders should have a few lilies scattered through them. The sorts offered below can be planted with excellent results during the early Spring months. It is in the hardy border that lilies do best, as they get the benefit of the shade of the surrounding plants, which is so necessary for their welfare; other varieties should be planted in the Autumn, and are offered in our Autumn catalogue.

Auratum (Gold-banded Lily)—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the center by a golden yellow. 30c each; \$3.25 per dozen.

Speciosum Album—Large white flowers of great substance, with a greenish band running through the center of each petal. 40c each; \$4.50 per dozen.

Speciosum Rubrum, or Roseum—White, heavily spotted with rich, rosy-crimson spots. 35c each; \$4.00 dozen.

Speciosum Magnificum—Rich deep red. 35c each; \$4.00 doz.

M. & S. Tuberous Rooted Begonia Bulbs

A most charming plant with beautiful foliage and exquisite flowers. Single or double. Colors: Red, white, yellow, pink and salmon. Price, 20c each; \$2.00 per dozen.

Caladium Esculentum

(ELEPHANT EAR)

As center pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1, but to get them in early growth they may be started indoors.

Monster Bulbs, 15c each; \$1.75 dozen.

Mammoth Bulbs, 10c each; \$1.00 dozen, both postpaid.

CINNAMON VINES

Beautiful leaves, dainty flowers, exquisite perfumes.

Most beautiful—most fragrant and easiest grown of all climbers. Will make your porches, windows and walks "perfect bowers of beauty."

Once planted, will grow a lifetime.

Cinnamon Vines also make charming window plants—indoors or out.

Perfectly Hardy—Grow in sun or shade, wet or dry, indoors or out. No insects or blight ever troubles. No winter harms. Their abundant blossoms perfume the air for a long distance. No words can describe their delicious fragrance.

Headquarters Stock. Order at once.

Tubers keep perfectly till planting time.

For Windows—Plant two on each side. For porches, walks, etc., plant the tubers 8 inches or a foot apart, cover 2 inches. Furnish twine support for the vines.

"It always pays to make the home beautiful."

Get them now at greatly reduced prices.

SPECIAL PRICES: Selected Tubers, medium size, 5 for 25c; 10 for 50c; 20 for \$1.00.

EXTRA LARGE—2-year old, will make enormous vines in a few weeks. 10c each; \$1.00 doz.



Everblooming ("Monthly") Roses

AMERICAN BEAUTY—The most famous of American Roses. Rich color and delicious fragrance. Deep brilliant red, shading to a rich carmine-crimson. Price, 1-yr. 40c each; 2-yr. 75c; 3-yr. \$1.25.

WHITE MAMAN COCHET—"The masterpiece of perfection in a Rose." Color, silvery white, with porcelain shadings. Very distinct—flowers enormous size with high pointed center—a model for exhibition purposes. Price, 1-yr. 25c each; 2-yr. 75c; 3-yr. \$1.25.

ETOILE DE FRANCE—A brilliant shade of velvety crimson. Very striking. Flowers are extremely large on long, but stiff stems—unexcelled for cutting. Price, 1-yr. 25c each; 2-yr. 75c; 3-yr. \$1.25.

KAISERIN AUGUSTA VICTORIA—The best white Rose in the world. It is a continuous bloomer; shows no center when fully open, color snowy-white. Price, 1-yr. 25c each; 2-yr. 75c; 3-yr. \$1.25.

MAD. COLETTE MARTINETTE—Color beautiful coppery range, buds opening cup shaped and fragrant. The blooms are large, borne on good stems; the distinctness of the variety pleasing all rose lovers. Price, 1-yr. 30c each; 2-yr. 75c each; 3-yr. \$1.25.

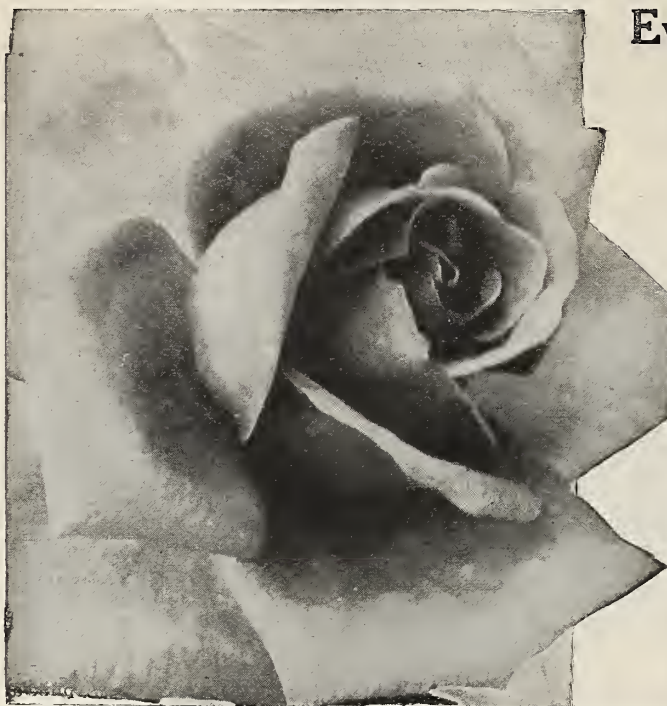
KILARNEY—Remarkable for the size of its intensely fragrant flowers. Brilliant sparkling pink. Price, 1-yr. 25c each; 2-yr. 75c; 3-yr. \$1.25.

RHEA REID—"The reddest of red Roses." Extra large; wonderful foliage; strong grower. Price, 25c each; 2-yr. 75c; 3-yr. \$1.25.

SUNBURST—Very striking flowers of rich yellow, with orange center. Perfect both in bud and bloom. Price, 1-yr. 35c each; 2-yr. 75c; 3-yr. \$1.25.

OPHELIA—Salmon-flesh color, shaded with Rose. Large flowers, long stems, fine for cutting. Price, 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.

COLUMBIA—It is a big Rose, the open flower measuring six inches across. Color, true pink, deepening as it opens to a glowing pink. Price, 30c each; 2-yr. 75c; 3-yr. \$1.25.



COLUMBIA BUDS, COLUMBIA

Hybrid Perpetual Roses

WHITE AMERICAN BEAUTY—The best snow-white Rose we have. Splendid buds and immense flowers. Very distinct. 1-yr. 40c each; 2-yr. 85c; 3-yr. \$1.25.

PRINCE CAMILLE DE ROHAN—The dark velvety red, almost black. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.

GEN. JACQUEMINOT—The famous "General Jack" Rose. Velvety crimson. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.

CLIO—"Peony Rose." Flesh, shaded Rose-pink. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.

GLOIRE LYONNAISE—Ric! creamy-white, tinted orange and fawn. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.

J. B. CLARKE—Color, intense scarlet, shaded crimson maroon. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.25.



Rose Tausendschoen or "Thousand Beauties"

Hybrid Perpetual Roses

HARDY EVERYWHERE

MADAME CHAS. WOOD—There is hardly a day from early June until frost that this variety is without a show of large fragrant dazzling scarlet-crimson flowers—it blooms the summer through almost uninterrupted. Hardy as an oak. 1-yr. 35c each; 2-yr. 70c; 3-yr. \$1.25.

PAUL NEYRON—The largest of all. A beautiful deep rose-pink color. 1-yr. 35c each; 2-yr. 70c; 3-yr. \$1.25.

GLOIRE BRUSSELS

The nearest black Rose grown. Deep blackish-crimson with pronounced maroon shades. A different Rose. 1-yr. 35c each; 2-yr. 70c; 3-yr. \$1.25.

Hardy Climbing Roses

For Porches, Trellises, Etc.

CLIMBING AMERICAN BEAUTY—Large glowing red; fragrant; very hardy. A true American Beauty in both size and color. Porch or trellis cover. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

EXCELSA—Bright crimson flowers borne in clusters of from 20 to 40 blooms, almost concealing the foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

DOROTHY PERKINS—A wonderfully fast-growing beautiful shell-pink climber; cluster flowers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

HARDY MARECHAL NIEL—An excellent hardy yellow climber. None better. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

BLUE RAMBLER—Magenta blue in color. A perpetual source of wonder. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

DR. W. VAN FLEET—"Flowers over four inches across." Color, a delicate shade of flesh pink, deepening to rosy-flesh in the center. Stems 12 to 18 inches long. A peer among climbers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

THOUSAND BEAUTIES—A single cluster of flowers is a whole bouquet in itself, hence the very fitting name "Thousand Beauties." Color a tender rose showing tints of carmine, white and yellow. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

AMERICAN PILLAR—Its great mass of bloom fairly covers the bush. Flowers very double. Color is a flaming pink. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

SHOWER OF GOLD (Improved Yellow Rambler)—Color a deep golden yellow with orange shadings. Beautiful metallic foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.



Rose White American Beauty (F. K. Druschki)

Polyantha Roses

Will Bloom the Summer Through

BABY DOLL—Golden yellow, tipped with cerise. The "sweet-heart" Rose. Excellent for both summer and winter blooming. Price, 1-yr. 25c each; 2-yr. 70c each.

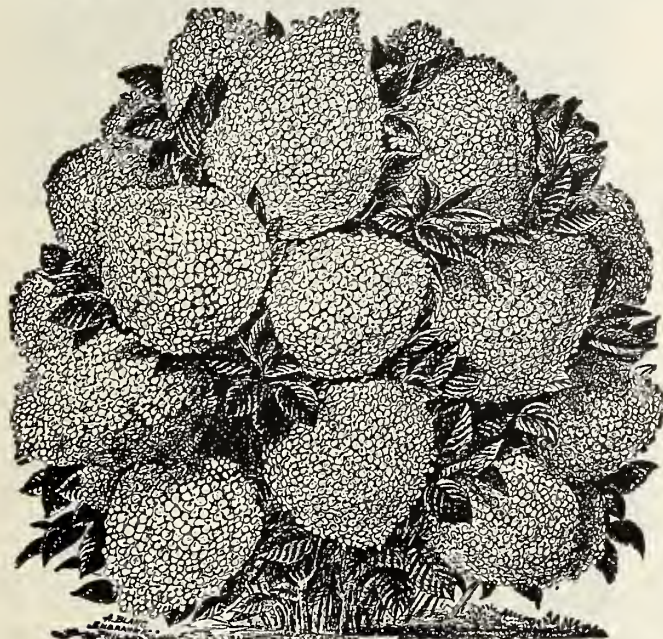
ORLEANS—Deep cerise or geranium pink, with center of pure white. Price, 1-yr. 25c each; 2-yr. 70c each.

ELLEN POULSON—Comparatively new. Rich dark pink flowers borne in profusion. A continued bloomer. Price, 1-yr. 25c each; 2-yr. 70c.

ERNA TECHENDORFF—Brilliant scarlet-red. Considered the best red among the type. 25c; 2-yr. 70c.

JESSIE—Bright cherry crimson. Does not fade. Price, 1-yr. 25c each; 2-yr. 70c each.

BABY RAMBLER—It forms compact bushes, covered with clusters of rich cherry-red flowers throughout the season. Price, 1-yr. 25c each; 2-yr. 70c each.



Hardy Hydrangea Paniculata, admirably adapted for border or cemetery.

Popular Hardy Shrubs

HYDRANGEA PANICULATA—Height from 4 to 8 feet; perfectly hardy in all parts of the country. White flowers, turning to pink, borne on immense pyramidal panicles nearly a foot in length from July until November. Price, strong plants, 45c each; larger plants, 75c each; extra large plants, \$1.00 and \$1.50 each.

HYDRANGEA ARBORESCENS—The foliage is almost hidden by beautiful sprays of immense pure snow-white blooms from early June through August. Will stand 20 degrees below zero. Unexcelled for shady place, but does equally well in open. Nice plants, 35c each; 3 for \$1.00; large plants, 60c each; extra large plants, \$1.00 and \$1.50 each.

BRIDAL WREATH (Spirea Van Houttei)—Beautiful foliage at all times and a fountain of arching snow-white blooms during May and June. Very popular. 35c each; 3 for \$1.00; \$3.50 per dozen; larger plants 60c; extra heavy plants \$1.00 and \$1.50 each.

PINK BUSH HONEYSUCKLE—Highly ornamental. Beautiful blooms in spring followed by bright, shiny berries. 50c each.

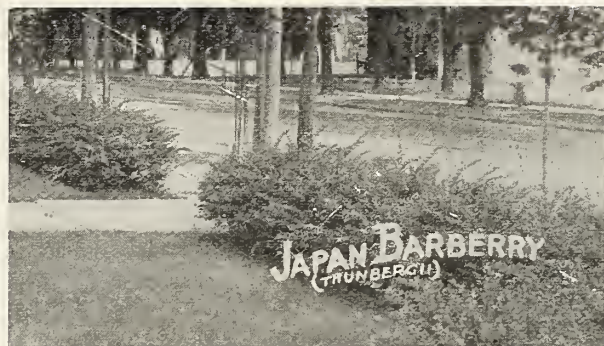
COMMON SNOWBALL BUSH—An old-time favorite. Pure white flowers in dense clusters which look like balls of snow; very attractive. Large plants, 65c and \$1.00 each.

GOLDEN BELLS (Forsythia Fortunei)—The first shrub to bloom in the spring, the pendant golden bells appearing before the leaves. 30c each; large plants, 75c each.

ALBA SNOWBERRY—Grows 3 to 5 feet. Flowers pure white or pinkish. Berries white, produced in clusters. Field grown: Strong plants, 40c each; 3 for \$1.10; large plants 75c each.

RUBRA (Indian Currant)—Grand shrub, red or purplish berries. Bright green leaves, tinged reddish purple. Flowers greenish red, all summer. Berries early in autumn. Large plants, 50c each; 3 for \$1.43; \$4.80 per dozen. Extra large plants, 75c each; 3 for \$2.14; \$7.20 per dozen.

YARD PLANTING OFFER—One each of the following seven shrubs for \$1.48; large plants, by express, \$3.42. Bridal Wreath, Weigela Rosea, Summer Lilac (Buddleia), Snowball, Spirea Billardii, Hydrangea Paniculata, Althea. These seven shrubs will give a succession of flowers from April until frost, flowering in the order named.



Hardy Hedge Plants

JAPAN BARBERRY—Valuable as specimen plants or for hedges. Drooping yellow flowers followed by bright red berries. Foliage changes to fiery crimson in autumn. This variety, unlike the common Barberry does not harbor wheat rust and is entirely harmless to grain crops. 25c each; 3 for 72c; 12 for \$2.40. \$10.00 per 100. Large size, 35c each; 3 for \$1.00; \$3.50 per dozen. \$17.50 per 100.

CALIFORNIA PRIVET—Cheaper than fences, far more beautiful. The most popular ornamental hedge plant. Price, by express, \$1.00 per dozen; \$8.50 per 100. (25 and 50 at 100 rate.) Hedge plants are set 6 inches apart, viz.: a 50-ft. hedge requires 100 plants.

IBOTA PRIVET—Perfectly hardy. Trim as desired. Price, \$1.50 per dozen; \$10.00 per 100.

Deutzias

Prices: Any Variety, 30c each; large plants, 75c.

CRENATA ROSEA PLENA—Beautiful pink flowers.

CANDIDISSIMA—Pure white, double flowers.

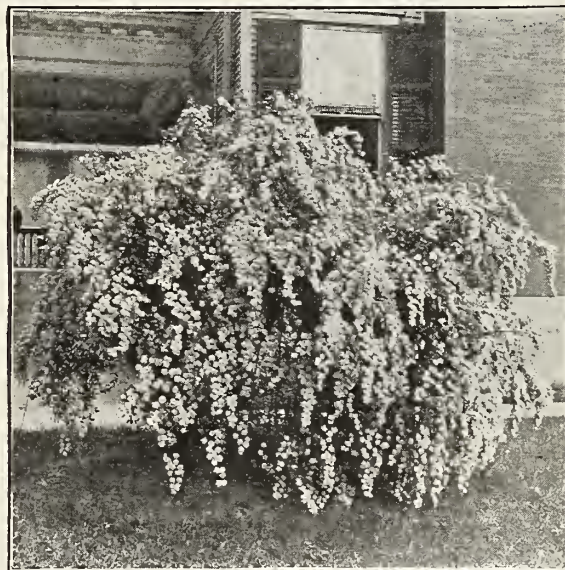
Althea—Rose of Sharon

Flower profusely during July and August. Grow 6 to 8 feet. Price, any variety: Strong plants, 50c each; 3 for \$1.43.

BOULE DE FEU—The prettiest double red; commendable.

JEAN DE ARC—The pure white Althea, double; for cemetery.

CERULEAN BLUE—Double blue; extra fine.



Spirea Van Houttei (Bridal Wreath). Not excelled by any shrub grown; exceptionally graceful in growth, wonderfully striking in power.

MOCK ORANGE (Philadelphus)—An old favorite. Flowers cup shaped, very fragrant, and pure white. 35c each; large plants, 65c.

SWEET-SCENTED SHRUB—The flowers when fully open are about the size of a silver dollar, of a mahogany brown color. Strawberry-scented. Should be in every planting. Price, strong plants, 50c each; 3 for \$1.43. Extra large plants, \$1.00 each.

Double Flowering Geraniums

Price, 25c each; 3 for 72c; 12 for \$2.40.

S. A. NUTT—The darkest red geranium grown. Deep, rich velvety maroon—sparkling shade that fairly dazzles the eye.

MARGUIS DE MONTMORT—Nearest we have to a blue Geranium, velvety purple.

BERTHA DE PRESSILY—A striking shade of mauve-rose with blotches of white at base of petals.

LEOPOLD BOUVILLE—Bright solferino-red, richly shaded bright carmine-red, purple to distinct white center.

JEAN VIAND—Rosy pink; free flowering.

BUCHNER—Bushy plants with white flowers.

MRS. LAWRENCE—A satiny salmon pink.

ALPHONSE RICARD—Brilliant orange red.

JEAN OBERLE—Large flowers of peach pink.



Climbing Fire
Cracker Plant.

Single & Double Sweet-Scented Violets

PRINCESS OF WALES—This variety is far ahead of any other single violet known. The grand single flowers of a true violet-blue color that does not fade, and of the richest, most delicious fragrance. Price, 25c each; 3 for 72c; 12 for \$2.40.

SWANLEY WHITE—A sort of Marie Louise, the same growth, the same freedom of flowers, the same perfect perfume, and the individual flower equally as large and of the purest white. Price, 25c each; 3 for 72c; 12 for \$2.40.

VIOLET MARIE LOUISE—Bold, fine flowers, very fragrant and very prolific. The color is of a dark blue; flowers double. This is the favorite double or blue Violet that you see in the florists' windows. Price, 25c each; 3 for 72c; 12 for \$2.40.



Snake Plant

The ideal house plant, its thick, leathery, sword-like leaves standing the heat, dust and gas with impunity. Leaves are dark green in color, striped with white. Nice plants, 30c each; large plants, 60c.

Weeping Lantana

A new weeping plant of great beauty. Graceful, drooping habit, grows very rapidly and blooms continually summer and winter, producing large clusters of flowers of lilac or rosy-pink. Easily grown. Strong plants, 25c each; 3 for 72c; \$2.40 per dozen.

Wandering Jew

A wonderfully fast growing trailing vine; multi-colored foliage. 20c each; 3 for 57c.

Hibiscus Peachblow

Flowers are double; of charming rich, clear pink color; an entirely new and most beautiful shade. Makes a fine plant for the house; easily grown. 25c each.



Snake Plant.

Best Fuchsias

Price, any variety, 25c each; 3 for 72c; \$2.40 per dozen.

PHENOMENAL—Bright scarlet flowers with rich purple corolla; very double.

WAVE OF LIFE—Golden foliage, flowers dark purple, single.

GLOIRE DES MARCHES—Double deep scarlet and white.

AURORA BOREALIS—The flowers are four inches or more in length; tube and sepals bright carmine.

BLACK PRINCE—Very finest single Fuchsia. Flowers a harmonious blend of carmine-rose.

Sweet Scented Carnations

BEACON—Rich crimson blooms average 3½ inches in diameter. Price, 25c each; 3 for 72c; 12 for \$2.40.

GAIETY—A grand variegated Carnation. Price, 25c each; 3 for 72c; 12 for \$2.40.

WHITE WONDER—Snow-white. Very fragrant. Price, 25c each; 3 for 72c; 12 for \$2.40.



S. A. Nutt, the Largest and Darkest Red Geranium Grown.

Ivy-Leaved Geraniums

Dark, glossy, green foliage at all times.

Price, 25c each; 3 for 72c.

JOAN OF ARC—An easy grower. Double flowers of purest white. Excellent for winter flowering.

CAESAR FRANK—Flowers a magnificent shade of soft rich crimson.

ALLIANCE—Exquisite shade of delicate lilac-white; upper petals feathered and blotched crimson-rose. The leading Ivy-leaved variety.

SWEET-SCENTED GERANIUMS

Extensively grown for their fragrant foliage. Price, 25c each; 3 for 72c.

LEMON SCENTED—The foliage has a pronounced lemon scent.

LADY MARY—Pleasing nutmeg fragrance; lilac flowers.

ROSE SCENTED—The most fragrant of all. Beautiful flowers.



Hibiscus Peachblow

AMERICAN WONDER LEMON
Fruit often weighs over 3 pounds. Excellent for lemonade, pies, etc. Blooms very sweetly scented. Bears fruit at all stages of growth. Can be grown anywhere. 30c each; 3 for 85c; 12 for \$2.88.

NEW COLEUS CHRISTMAS GEM—Leaves bright carmine, shading off to deep maroon, the margin being yellow and green, the whole leaf having a rich velvety lustre. Leaves sometimes over 12 inches long. 35c each; 3 for \$1.00.

UMBRELLA PLANT—A large specimen as handsome as a Palm for decoration. It throws up stems about two feet high, surmounted with a whorl of leaves, diverging horizontally. Grows luxuriantly in water, and is therefore indispensable for aquariums or fountains. 25c each; 3 for 72c.

DWARF ORANGE—A true orange bearing masses of waxy, white fragrant blossoms followed by bright colored very sweet fruit. Plants bloom and bear fruit when only five or six inches high. Price, 25c each; 3 for 72c. Nice strong plants, 75c each.

HELIOTROPE MIDNIGHT—This new variety is the result of efforts made by our most expert plant growers to improve the Heliotrope. Size of foliage and flowers is doubled and the plant is compact and bushy, flowering heads sometimes measuring 16 inches across. 25c each; 3 for 72c.

DOUBLE FRINGED AND FRILLED PETUNIAS—Popular flower—colors, purple, lavender, white, variegated, purple streaked and mottled white. Price, 25c each; 3 for 70c.



Rex Begonia.
See page 43.

BUTTERFLY
BUSH.

Butterfly Bush (Summer Lilac).

Everblooming Butterfly Bush

It produces long stems which terminate in panicles of beautiful lilac-colored flowers, attracting hundreds of butterflies. Will throw out as many as fifty flower spikes the first season planted, increasing in number during succeeding years. Flowers from June until frost. Top should be cut off quite close to ground every spring. 35c each; 3 for \$1.00. Larger plants, 75c each.

SYRINGA—BOUQUET BLANC—Dwarf growth with long, slender branches covered with sweet-scented double flowers of creamy-white. 40c each; large plants, 75c each.

WEIGELA ROSEA—One of the most conspicuous shrubs that we cultivate; flowers pink, dwarf, adapted to lawns or gardens. 50c each; 3 for \$1.43; large plants, \$1.00 each.

GOLDEN ELDERS—Golden foliage, blossoms and fruit like common elder. Fruit is prized for pies and wine. 50c each; 3 for \$1.43; large plants, \$1.00 each.

JAPAN QUINCE—Dwarf, quite hardy, showy shrub followed by waxy-white fruit. 50c each; 3 for \$1.43; large plants, \$1.00 each.

SPIEEA ANTHONY WATERER—Begins to bear flat clusters of rosy-red flowers early in spring and continues in bloom until late in autumn. 60c each; 3 for \$1.70.

PURPLE LILAC—An old-time favorite that will always remain popular. Flowers fragrant. 65c each; 3 for \$1.85.

WHITE LILAC—Identical with the purple variety excepting that the flowers are white. 65c each; 3 for \$1.85.

Perennial Plants

BAEY'S BREATH—Hardy. A mass of minute pure white flowers. Very dainty. 30c each. **ACHILLEA (Cemetery Plant)**—Snow-white flowers produced in large sprays. Fine for cemetery planting. Hardy. 25c each.

CAMPANULA (Cantebury Bells)—Hardy. Flower from May until September. Cup-shaped flowers. Colors: Blue, pink, crimson and white. 25c each; 3 for 72c.

SWEET WILLIAM—Hardy. Beautifully marked blooms of extremely rich and varied colors. 25c each; 3 for 72c.

FOXGLOVE (Digitalis)—Hardy. Bears thimble-shaped flowers on large spikes. Always satisfactory. 25c each.

LONG SPURRED COLUMBINE (Larkspur)—Hardy. Graceful flowers freely produced on long stems. We offer an extra fine long spurred strain. Mixed colors only. 25c each; 3 for 72c.

DOUBLE HOLLYHOCKS—Hardy. Straight towering spikes a mass of waxy flowers. Select from colors: White, maroon, pink, red and yellow. 25c each; 3 for 72c; \$2.70 per dozen.

DELPHINIUM (Gold Medal Hybrids)—Hardy. The most attractive bold, and meritorious flower we have. The immense spikes of brilliant shades of blue produce the most striking effects in the flower garden. 35c each; \$3.36 per dozen.

GIANT HARDY PRIMROSE—Immense trusses of large flowers from purest white, yellow, and orange to crimson. 35c each.

SHASTA DAISY—Hardy. Pure white with gold center, petals very long and center soft and velvety. 20c each.

HARDY ORIENTAL POPPY—Enormous large flaming red flowers. Striking. 25c each; 3 for 72c.

DOUBLE GOLDEN GLOW—Hardy. Grows 8 ft. high. Exquisite double blossoms of brightest golden-yellow, as large as Cactus Dahlias. 25c each.

Popular Begonias

KING OF REX—In no other class of plants do we find the rich metallic foliage, and colors blending from brightest green, silver and orange to a bright plum color as are found here. Mammoth leaves. Nice plants, 45c each; 3 for \$1.20.

BEGONIA THURSTONII—Flowers are a deep pink in bud, but when fully expanded become a beautiful shell pink. Red foliage. 30c each.

CAROLINE LUCERNE—Bright coral red, changing to delicate pink. 35c each.

BEEFSTEAK BEGONIA—The true variety. We have been very fortunate in securing a stock of this plant. Spreading habit, circular leaves of heavy texture, red beneath, above a glossy olive-green, with an oil-like cast; flowers coral. We cannot state when we will be able to offer this beautiful Begonia again. 30c each; 3 for 85c.

Beautiful Decorative Ferns

BOSTON FERN—For large specimen plants or for hanging baskets the Boston Fern takes the lead. Drooping fronds often six feet in length. A Fern that looks well anywhere. 35c each; stronger plants, 60c each; larger plants, \$1.00.

OSTRICH PLUME FERN (Nephrolepis Whitmanii)—No words can describe this Fern better than its name, because of the waxy, plume-like appearance of the fronds which are often 8 inches wide. Upright and stocky growth. 35c each; stronger plants, 60c each; larger plants, \$1.00.

ROOSEVELT FERN—Fronds heavy and broad, often measuring 6 inches or more across, and five or six feet long. Exceedingly graceful. 30c each; stronger plants, 60c each; large plants, \$1.00 each.

HARDY FERN—For shady places. Can be left outside during winter, and in the spring it starts a new growth like Peony and Phlox. A graceful plant with fronds equal to those of any of the tender varieties. Requires rich soil; shady, moist position; good drainage. Each, 50c; 3 for \$1.43; \$4.80 per dozen; larger plants, 75c each.

FERNS FOR FERN DISHES—We will send to any address in the United States, postpaid, 6 Ferns, all different, including Crested Fern, Striped Silver, Maiden Hair, etc., for \$1.25; 9 Ferns for large dish, \$1.50.

FEATHER FERN—The foliage is composed of dense, glossy-green, graceful drooping branches. Can be grown as a vase, pot, or tub plant. Sprays four to five feet long. 25c each; larger plants, 50c and 75c.

LACE FERN (Asparagus Plumosus)—Its bright green foliage is extremely fine and plume-like. Makes a fine pot plant for the house or porch. By many florists it is used instead of Smilax, as it is more easily grown and far more beautiful. Nice plants, 35c each; larger plants, 60c and 85c each.

The Wonderful Ostrich Plume
Fern, Whitmanii.

Cutflower Chrysanthemums

ROMAN GOLD—An evenly colored, globular yellow. When well cultivated and cared for, the blooms are from 6 to 8 inches in diameter. Price, 25c each; 3 for 72c; \$2.40 per dozen.

RAGGED ROBIN—An immense sparkling pink variety. Price, 25c each; 3 for 72c; \$2.40 per dozen.

FIRE BALL (Latest Introduction)—Color, deep blood red. Height, 4 feet. Price, 25c each; 3 for 72c; \$2.40 per dozen.

CRIMSON TANGLE (Red Ostrich Plume)—A very striking crimson-red plumed variety. Price, 25c each; 3 for 72c; \$2.40 per dozen.

WHITE OSTRICH PLUME—Pure white flowers; heavily plumed. 25c each; 3 for 72c; \$2.40 per dozen.

RICHMOND—Perfect fullness; silk-like finish; bright golden yellow. A prize winner at the shows. 25c each; 3 for 72c; \$2.40 per dozen.

MAJOR BONNAFFON—Soft, clear yellow, full to center, often 8 inches in diameter. Price, 25c each; 3 for 72c; \$2.40 per dozen.

CHIEFTAIN—Rose-pink, globular, incurved—everyone likes it. Price, 25c each; 3 for 72c; \$2.40 doz.

WHITE BONNAFFON—Finest of early whites. Large and full. Sometimes tinted pearl. Price, 25c each; 3 for 72c; \$2.40 per dozen.

DOLLY DIMPLE—Glowing yellow. Considered by many the Queen of all Chrysanthemums. Fine for pot culture. Price, 25c each; 3 for 72c; \$2.40 per dozen.

SPECIAL OFFER—1 each of above 10 Exhibition Chrysanthemums, postpaid, \$2.10.



Major Bonnaffon



Hardy Garden Phlox Pantheon

Fleur-de-Lis—Flag Iris

INNOCENZA—Pure white, delicate flower bright golden yellow crest. Price, 35c each; 3 for \$1.00.

HER MAJESTY—Semi-early, bright pink slight lilac tint, free flowering. Price, 35c each; 3 for \$1.00.

MRS. NEWBRONNER—Semi-early, deep golden-yellow. Price 50c each; 3 for \$1.43.

LORELY—Lemon yellow and velvety purple, striped on yellowish-white. Price, 35c each; 3 for \$1.43.

JACQUESIANA—Velvety reddish-violet, brightening at base with gold. Price, 40c each; 3 for \$1.14.

FALLIDA DALMATICA—Beautiful silvery-lavender, large flowers, sweet scented. Price, 30c each.

LEDA—White frilled and dotted rose-lilac. Price, 50c each; 3 for \$1.43.

KING—Old gold and bronze, slight crimson bordered with gold. Price, 50c each; 3 for \$1.43.

WYOMISSING—Deep rose base, shading to flesh-colored border. Exquisite coloring. Price, 75c each.

MME. CHEREAU—White, with lavender cast. Price, 20c each; 3 for 57c.

PERFECTION—Exquisite soft rosy-violet. Price, 50c each; 3 for \$1.43.

ATROPURPUREA—Royal purple; without slightest shading. Price, 50c each; 3 for \$1.43.

ISOLINE—A beautiful lilac-pink Iris. Flowers large. New. 60c each.

LOHENGRIIN—Tall flowers, very large, soft lilac-rose. 30c each.

SPECIAL OFFER—Six assorted Iris Plants, all different, our selection of varieties, good strong plants, postpaid, 75c; 12 plants, \$1.40.

Hardy Old-Fashioned Chrysanthemums

The Hardy Chrysanthemum gives us the most attractive outdoor fall flower. It is now universally planted; growing anywhere and producing wonderful results with little attention. It is a plant without equal, either in solid beds, mixed borders or planted against foundations.

HOMESTEAD—Strong shade of pink. Has no equal for size. 28c.

EXCELSIOR—Deep yellow flowers borne in clusters. 20c.

VICTORY—Leading large-flowering white pompon. 28c.

AUTUMN GLOW—Coppery bronze with red tinge. 25c.

PRINCE OF WALES—Pure white; button type; solid mass of bloom. 20c.

INDIAN—Soft red flowers of good size. None better. 26c.

ALICE HOWELL—Rich shade of orange-yellow; new. 20c.

CHALDON—Reddish-crimson with gold tips. 24c.

NORMANDIE—Delicate pink of recent introduction. 20c.

MISS F. COLLIER—The new hardy pure-white pompon. 24c.

SPECIAL OFFER—Any three of the Hardy Chrysanthemums listed above, 68c; any five, \$1.10; all ten above, \$1.62.

Hardy Garden Phlox

Flower heads often measure from 7 to 9 inches across, borne from early summer until frost. They grow vigorously—increasing in size from year to year, and make very attractive plantings along walks or in clusters. Price, any of the following varieties, 35c each; 3 for \$1.00; \$3.60 per dozen.

BRIDESMAID—Massive white heads having a large crimson-carmine center. One of the most attractive of the varieties.

PANTHEON—A variety being medium in height. Color bright salmon-pink, with lighter shadings and dark crimson eye.

VON LASSBURG—Purest white in cultivation. Largest of whites.

R. P. STRUTHERS—Rosy carmine with claret-red eye.

INDIAN CHIEF—Clear purple red; rich shade. Fine for rockeries.

MISS LINGARD—The favorite white flowering variety, coming into bloom early in May, flowering throughout the season.

OBERGARTNER WITTIG—The color of this attractive Phlox is bright magenta, with crimson-carmine eye.

ATHIS—Lively shade of deep pink, and a light halo around its analine-red eye.

VON HOCHBERG—The best of all dark colored Phlox. Color solid rich velvety crimson.

LOTHAIR—Bright crimson.

Hardy Garden Carnations

Grows 15 to 20 inches in sunny location. Pleasing delicate clove fragrance.

HER MAJESTY—New double white. Very sweetly scented. 25c each; 3 for 72c.

ABBOTTSFORD—Rich rose-red, dark center. 30c each; 3 for 85c.

GERTRUDE—White with rich maroon markings; fragrant. 25c each; 3 for 72c.

EARLE OF CARLISLE—White, blotched maroon; very vigorous grower. 25c each; 3 for 72c.

ESSEX WITCH—Dark maroon, blotched pink and white. Makes a very striking plant in the garden. 25c each; 3 for 72c.

SPECIAL OFFER—One each of the five hardy Carnations listed above (which includes the grand variety Abbottsford). Postpaid, for \$1.25.

Hibiscus (HARDY MALLOWS)

Bush is about 4 feet high, and well spread out; lives for years and gets larger and better every year. Extra large plants, 40c each; 3 for \$1.14; 12 for \$3.84.

HARDY WHITE HIBISCUS (White Mal-lows) — Tall; free-flowering; perfectly hardy; color, white; deep crimson center.

HARDY PINK HIBISCUS (Pink Mal-lows) — Similar to the Hardy White Hibiscus, but the flower is of a clear, even pink; very striking.

HARDY CRIMSON HIBISCUS (Meehan's Crimson Mallow) — New and distinct. Immense striking deep crimson flowers.

HARDY CHRYSANTHEMUMS are un-excelled for planting along foundation walls, around porches, etc. Special 20 Hardy Chrysanthemums, in assorted colors, our selection of varieties, \$2.75.



Write for Prices on Larger
Quantities.

NURSERY DEPARTMENT

Sent via Express or Freight
Only.



Shade Trees

Norway Maples—8-10 ft., \$1.75; 10-12 ft., \$2.50.
Silver Maples—10-12 ft., \$2.00.
Catalpa Bungei—grafted—6-8 ft., \$3.00.
Poplar, Carolina—10-12 ft., \$2.00.
Poplar, Lombardy—3-10 ft., \$1.50.
Teas Weeping Mulberries—5-6 ft., \$3.00.
Weeping Willows—5-6 ft., \$1.50.
Betula Alba, or White Birch—8-10 ft., \$2.00.
American Lindens—8-10 ft., \$2.00.
Japanese Maple—Blood Leaf—2-3 ft., \$5.00.
Cornus Rubra, or Red Dogwood—2-3 ft., \$4.00.
Cornus Florida, or White Dogwood—3-4 ft., \$2.00.
Oriental Plane, or Sycamore—10-12 ft., \$2.00.
American Elm—10-12 ft., \$2.00.
Tulip Tree—8-10 ft., \$1.75.

Evergreen Shrubs and Trees

SELECTION OF M. & S. EVERGREENS

Arborvitae American, Firs, Balsam and Nordmans. Junipers, Irish and Japanese. Pine, White, Scotch and Austrian. Retinosporas, Plumosa and Plumosa Aurea. Squarosa Veitchii, Spruce, Norway, Colorado Blue. Yew, Drupacea and Fortunis Boxwood. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety.

TREE SPRAYING, TRIMMING, ETC.

We are now in position to estimate on and execute work like ornamental tree work, tree surgery, pruning, spraying for insects and fungi diseases, cavity treatment by filling with sectional cement, the treatment of split and weak crotches and limbs by bolting and chains, and cultural treatment.

Best Books for Gardener and Professional

Garden Guide Paper	\$1.00.	Cloth.....	\$1.50
Milady's House Plants	75c.	Cloth.....	1.00
Carnation Culture, Cloth			1.75
Violet Culture, Cloth			1.75
Sweet Peas for Profit, Cloth			1.75
Rose Culture, Cloth			1.75
Plant Culture, Cloth			3.50
Johnson's Gardener's Dictionary, Cloth			6.50
Practical Landscape Gardening, Cloth			2.50
Home Fruit Grower. Paper	\$1.00.	Cloth.....	1.50
Practical Plant Propagation, Cloth			2.00
Manual of Floral Designing, Cloth			1.50

Apples

Baldwin—Large, roundish; deep bright red; very productive; handsome fruit.

Ben Davis—Large, handsome, striped; productive; a late keeper.

Grimes' Golden (Grimes' Golden Pippin)—Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

Maiden's Blush—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant flavor.

Wine Sap—Medium size, dark red; of rich flavor, very productive; late.

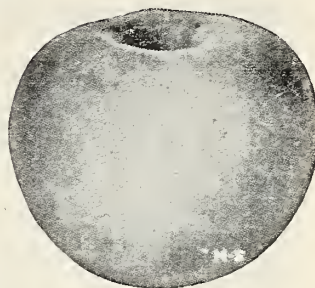
Red Astrachan—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

Rhode Island Greening—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

Smokehouse—Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish; very productive.

Any of the above in 6 to 8 ft. trees, \$1.50 each; four-year-old trees, \$2.50 each.

We can also supply all other varieties, also Crab Apples.



Cherries

Black Tartarian Cherry—Very large, purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July.

Governor Wood—Yellow; Florence, Red; English Murillo, red tart and other leading varieties. \$2.00 each.

Currants

(Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them from this by liberal spraying, when the bushes are dormant.

Black Naples—Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

Cherry—Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red.

Fay's Prolific—Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

White Grape—Clusters long; berries very large; of very attractive color; mild flavor and good quality.

All the above, 60c each; \$5.50 doz.



Black Tartarian Cherries

Gooseberries, Blackberries, Logan Berries

Gooseberries should be cultivated during the growing season and fertilized with manure in the early Spring or late Fall. They will repay you for this trouble with an extra big crop.

Downing—Fruit medium to large, whitish green; flesh soft, juicy. Each, 60c; \$5.50 doz.

Houghton—Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale, red, tender and good. 60c each; \$5.50 doz.

CULTIVATED BLACKBERRIES—Popular varieties, 25c each; \$2.00 dozen.

LOGAN BERRIES—30c each; \$3.00 dozen.

THE SMALL NURSERY

A Discussion of First Principles Governing Its
Successful Establishment

By NELSON COON

Cloth: \$1.50; Postpaid, \$1.65 Paper: \$1.00; Postpaid, \$1.10

HARDY PAEONY CLUMPS—Red, White, Pink and variegated. Choice varieties. 50c each; \$5.00 doz.

Grape Vines

BLACK—Concord, King, Champion, Early Daisy, Wilder, Worden.

WHITE—Niagara, Diamond, Triumph, Jessica, Naomi.

RED—Catawba, Caco, Jefferson, Iona.

Any of the above, 50c each. Two-year-old stock, \$5.00 doz.

GRAPE PROTECTING BAGS—See Page 60.

Cultivated Raspberries

(Extra Strong Plants)

Raspberries should be carefully staked to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

Brilliant—Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. 30c each; \$2.50 dozen.

Cuthbert—Berries very large, measuring 3 inches around; conical; rich crimson. 30c each; \$2.50 dozen.

Columbian—Fruit very large, often an inch in diameter; color dark red, bordering on purple. 30c each; \$2.50 dozen.

St. Regis—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November. 25c each; \$2.00 dozen.

To HAVE FRUIT TREES IN PERFECT CONDITION, SPRAY 3 TO 4 TIMES EACH YEAR.



Peaches

Trees such as we furnish will often bear the year after they have been set out.

Crawford's Early—The best yellow peach; large, oblong; skin yellow, with fine red cheek; juicy; wonderfully productive.

Crawford's Late—Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

Elberta—Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Follows Early Crawford.

Mountain Rose—The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

Oldmixon Free—Uniformly large; white, covered with bright red; one of the best.

Extra Strong Trees, 5 to 6 feet high, \$1.25 each. We can also supply all other varieties.

Pears

Bartlett—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

Flemish Beauty—Large, beautiful, juicy, melting; good bearer.

Howell—Large, light, waxen yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

Keiffer—While not of the best quality, properly ripened it is the very best for canning and preserving.



Gentlemen,—It gives me great pleasure to inform you that everything I bought from you during the past year turned out wonderful, and do not hesitate to recommend your seeds, plants, etc., to anyone.

Yours very truly,
MRS. ANNIE COLLISON, Royal Oak, Md.

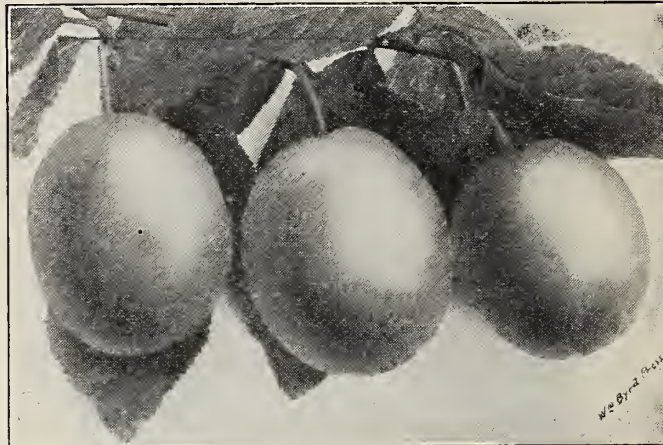
Lawrence—Fruit medium, canary-yellow, sweet, good keeper.

Le Conte—Very large, greenish-yellow, handsome; juicy. Early.

Rossney—A large variety of rare merit; ripening in September.

Worden-Seckel—A seedling of the Seckel. Equal in quality to its famous parent, but larger; fruit keeps well.

Any of the above extra strong trees, 5 to 7 feet high, \$1.75 each. We can also supply all other varieties.



Plums

Abundance—The fruit is very large, showy, and beautiful. Amber, turning to a rich, bright cherry color. Ripens in August.

Burbank—Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty yellow.

Red June (Japan)—Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

Sultan—Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

Wickson—Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper.

Wild Goose—Large, rich, crimson; productive and profitable.

Extra Strong Trees, 5 to 6 feet high, \$1.75 each.

Quinces, Apricots and other fruit trees, as well as nut trees, can be furnished promptly at reasonable prices for Reliable Stock. Write for prices.

Strawberry Plants

Ready from April 1st to May 15th, and from September 1st to November 15th.

Early Varieties—Senator Dunlap, Early Jersey Giant, Excelsior, Superior, Klondyke, etc.

Mid-Season Varieties—Nick Ohmer, William Belt, Marshall, New York, Tennessee, Prolific, Glen Mary, Magic Gem, etc.

Late Season Varieties—Gandy, Chesapeake, Chester, Aroma, Stevens, Late Champion, etc.

Price of any of the above, 75c doz.; 25, \$1.00; 50, \$1.50; 100, \$2.00; 500, \$8.50; 1,000, \$15.00.

Everbearing—Superb and Progressive. 1 doz. 75c; 25, \$1.00; 50, \$1.50; 100, \$2.75; 500, \$12.50; 1,000, \$22.50.

Notice: Parcel Post prepaid on the two above. 500 and 1000 lots express collect.

Pot-Grown Strawberry Plants—Ready about August 1st. We grow the plants in pots, and when they are well established and ready to ship, turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transplanted safely and satisfactorily. Plants set out in August and September will yield a crop next season. We can furnish most all popular varieties. \$1.25 per doz.; 100, \$7.00.

Improved Varieties, \$1.75 doz.; 100, \$11.00.

Everbearing, \$1.40 doz.; 100, \$9.00.

Gentlemen,—All your Lawn Seed, as well as vegetable and flower seed, bulbs and plants have always given the best of results.

Yours truly,
CHAS. SPIELMAN,
General Garden Work, 19 Md. Ave., Westport, Md.

HEADQUARTERS FOR INSECT DESTROYERS, ETC.

Directions for Using Any of the Following Will Be Found on Each Package or We Shall Be Pleased to Give Information by Mail or Otherwise

All Prices Subject to Change.

LIQUIDS AND POISONS CANNOT BE MAILED.

All Prices Subject to Change.

ARSENATE OF LEAD (Powdered)— $\frac{1}{2}$ lb. 30c; 1 lb. 50c; \$1.25 per 4 lbs.; 8 lbs. \$2.25; \$6.00 per 24 lbs.

ARSENATE OF ZINC (Powder)— $\frac{1}{2}$ lb. 30c; 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.75; 25 lbs. \$8.75.

ATOMIC SULPHUR—1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.00; 25 lbs. \$4.00; 50 lbs. \$7.50; 100 lbs. \$13.00. The same in dry form called Drytonic, 4 lbs. 75c.

BEE BRAND INSECT POWDER—Kills all kind of bugs. Can be used in garden and house, on poultry and animal, etc. Pkg. 25c, 50c and \$1.00, postpaid.

BLACK FLAG INSECT POWDER—Best for all kind of insect pest in house and garden; three sizes. 15c, 25c and 50c, postpaid.

BLACK LEAF 40—Per 1 oz. bottle 35c; \$1.25 per $\frac{1}{2}$ lb.; 2 lbs. \$3.50; \$13.50 per 10 lbs.

B. T. S. A LIME SULPHUR SOLUTION IN POWDER FORM—1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 50 lbs. \$7.00; 100 lbs. \$12.00.

BORDEAUX ARSENATE OF LEAD (Powder)—1 lb. 40c; 5 lbs. \$1.75.

BORDEAUX MIXTURE (Dry Form)—Per lb. 40c; 5 lbs. \$1.50.

BUG DEATH—Used on potatoes, cucumbers, squash and currants, powerful insecticide. Per lb. 20c; 3 lbs. 40c; 5 lbs. 60c; 12 $\frac{1}{2}$ lbs. \$1.40; 100 lbs. \$9.00.

CALCIUM ARSENATE—For potato bugs. 1 lb. 40c; 5 lbs. \$1.50; 10 lbs. \$2.75; 25 lbs. \$7.00.

CARBON DI-SULPHIDE—For insects which attack roots of trees, grapes, etc. Also good against moles. 75c per 1-lb. bottle.

DY-SECT—This is a very efficient insecticide. We recommend it highly for Rose Bugs, Beetles, Curculio, Aphid (Plant Lice), Thrip Leaf Hopper, Green Fly, Red Spider and all other insects that infest plant life. 4 oz. 30c; pt. \$1.00; qt. \$1.75; $\frac{1}{2}$ gal. \$3.25; gal. \$6.00. Diluted with water from 30 to 50 times, according to directions.

FISH OIL SOAP—30c per lb.; 5 lbs. \$1.25; 25 lbs. \$4.75; 100 lbs. \$15.00.

FORMALDEHYDE—A valuable solution for the farmer, best thing for dipping potatoes to prevent scab, invaluable for killing weevil in grain, fine as a household disinfectant (Liquid). Price, 1 lb. bottles, 65c; 5 lb. bottles, \$2.25; 9 lb. bottles, \$3.25.

GRAPE DUST—For mildew and blight. Per 5 lbs. 75c.

HALL'S 40% FREE NICOTINE (Liquid)—For greenhouse spraying or vaporizing. It is Nicotine in the free state—the quickest and deadliest form, the best for greenhouse use. It may be used for either spraying or fumigating. In either case it kills plant lice and similar insects every time. In either case it is easy to handle and very economical. 8-lb. tins, \$15.00; 2-lb. tins, \$4.25; $\frac{1}{2}$ -lb. tins, \$1.40.

HELLEBORE—Per $\frac{1}{4}$ lb. 25c; 40c per $\frac{1}{2}$ lb.; 1 lb. 70c; \$3.00 per 5 lbs.

HALL'S NICOTINE FUMIGATOR—(Free Nicotine in Powder Form). A fumigating powder saturated with Free Nicotine. Rids the greenhouse of plant lice and similar insects. It lights quickly, burns evenly and will not go out. No waste—every particle is consumed. A measuring dipper comes in each tin. One dipperful produces 7,000 cubic feet of deadly Nicotine fumes. Nine dipperfuls fumigate a 30 by 200 ft. greenhouse for only 75 cents. 10-lb. tins, \$8.50; 2 $\frac{1}{2}$ -lb. tins, \$2.50; 1-lb. tins, \$1.25.

HALL'S 40% NICOTINE SULPHATE—(Liquid). For spraying fruit trees, truck crops and flower gardens. Kills plant lice and similar insects every time. Being a vegetable extract it will not harm fruit, vegetable, flower or plant. Diluted with from 800 to 1,000 parts of water it makes a deadly spray costing less than 2 cents a gallon. It may be combined with Arsenate of Lead, Lime Sulphur, Bordeaux Mixture and oil emulsions. 10-lb. tins, \$13.50; 2-lb. tins, \$3.50; $\frac{1}{2}$ -lb. tins, \$1.25; 1-oz. bottles, 35c.

KAYLOX—Is an insecticide and fungicide combined in powder form, it mixes readily with water, is very effective against all leaf eating insects.

$\frac{1}{2}$ Pound Makes	5 Gallons Spray	\$ 0.30
1 Pound Makes	10 Gallons Spray	.55
5 Pounds Makes	50 Gallons Spray	2.50
10 Pounds Makes	100 Gallons Spray	4.50
25 Pounds Makes	250 Gallons Spray	10.00
50 Pounds Makes	500 Gallons Spray	19.00
100 Pounds Makes	1000 Gallons Spray	35.00

Write for Special Circular.

KEROSENE EMULSION (Liquid)—60c per qt.; per gal. \$1.75.

LEMON OIL INSECTICIDE—Per $\frac{1}{2}$ pt. 35c; 60c per pt.; qt. \$1.00; \$1.75 per $\frac{1}{2}$ gal.; gal. \$3.00; \$12.00 per 5 gal.; 10 gal. \$22.50.

LIME SULPHUR—Per qt. 40c; gal. \$1.00; \$3.75 per 5 gals.; 10 gals. \$6.00; $\frac{1}{2}$ bbl., per gallon, 24c; 1 bbl., per gallon, 22c; less \$2.00 each for return of barrel in good condition.

LOTOL—Insecticide Jelly—The complete concentrated contact remedy. For many varieties of aphid (plant lice) and of other insect pests. "No Fuss—No Muss." 1-oz. tube, makes 3 gallons, 35c—postpaid, 40c; 3-oz. tube, makes 24 gallons, 75c—postpaid, 85c.

MELROSINE—When the roses bloom again. The rose-bug will come, too, in uncounted millions, to destroy your finest blooms. But you can protect your rose gardens from this pest and save your roses by using **MELROSINE** it kills rose bugs. The only effective rose-bug remedy keeps indefinitely. It is most inexpensive to use, as it costs less than 25 cents per gallon when diluted for use. No garden can afford to do without this protection, which is an insurance against the ravages of the rosebug, as well as the minor insect pests. Price, trial can 50c; pint can \$1.00; quart can \$1.75; half-gallon can \$3.25; gallon can \$6.00. Sent by express at purchaser's expense.

PARA DICHLOROBENZENE or CRYSTAL GAS—Controls peach borers, use in June and September, 1 oz. to each tree. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50; 50 lbs. \$14.00.

Ryrox is the best and most convenient all around insecticide which we offer, death to all chewing insects on Vegetable, Fruit Trees, Berries and also Flowers (Paste Form). Price, 1 lb. 50c; 5 lbs. \$1.75; 10 lbs. \$3.00; 25 lbs. \$6.25; 50 lbs. \$11.25; 100 lbs. \$18.00; 300 lbs. \$51.00.

NICO-FUME (Liquid)— $\frac{1}{4}$ lb. 75c; \$2.25 per lb.; 4 lbs. \$8.00; 8 lbs. \$15.00.

NICO-FUME TOBACCO PAPER—Per box 24 sheets, \$1.25; \$5.50 per 144 sheets; 238 sheets, \$10.00.

PARIS GREEN—Per $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; 1 lb. 55c; 2 lbs. \$1.00; 5 lbs. \$2.40.

SODIUM FLUORIDE INSECTICIDE POISON—Kills cockroaches, waterbugs, ants, croton bugs and lice on poultry. Small size, 35c (postpaid, 40c); large size, 60c (postpaid, 70c).

Scalecide—The Tree Saver

One gallon of "Scalecide" will spray as many trees as 3 $\frac{1}{2}$ gallons of Lime-Sulphur Solution. Dilute for all dormant spray work 1 part to 15 parts of water. 1 qt. 60c; 1 gal. \$1.40; 5 gals. \$6.25; 10 gals. \$10.60; 30 gals., $\frac{1}{2}$ bbl., \$26.00; 50 gals., bbl., \$38.00. Last two F. O. B. factory, New Jersey.

SLUG SHOT—Per lb. canister, 20c; 50c per 5 lbs.; 10 lbs. \$1.00; \$2.35 per 25 lbs.; 100 lbs. \$8.75. Barrel lots in bulk (250 lbs.) 8 $\frac{1}{2}$ c lb.

SULPHATE OF COPPER—Per lb. 25c; \$2.00 per 10 lbs.

SULPHUR CANDLES—Small 15c each; per doz. \$1.50.

SULPHUR (Flowers)—Per lb. 15c; 60c per 5 lbs.; 10 lbs. \$1.15; \$2.25 per 25 lbs.; 100 lbs. \$8.50; barrel lots at 8c lb.

SULFOCID—Valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt. 60c; 1 qt. 90c; 1 gal. \$2.25.

THANATUS—For all soft-bodied insects. $\frac{1}{2}$ pt. 35c; 1 pt. 60c; qt. \$1.00; gal. \$3.50.

TOBACCO DUST (Special, Dusting or Fumigating)—10c per lb.; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

TOBACCO STEMS—Per lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

WEED KILLER (Lion Brand)—For cleaning gravel paths, drives and gutters of weeds, moss, etc. 1 qt. 50c; 1 gal. \$1.50; 5 gal. \$6.00; 10 gal. \$11.00; $\frac{1}{2}$ bbl. averaging from 25 to 30 gal. 70c gal.; 1 bbl. averaging 50 gal. 65c gal.

TREE TANGLEFOOT—Per lb. 60c; \$2.75 per 5-lb. can; 10 lbs. \$5.25; 25 lbs. \$11.00.

TREE WOUND PAINT—Qt. 85c; gal. \$2.50.

STICKY TREE CORD—Price 35c. A small clamp to catch hold of the cord is supplied free. Postpaid.

INSECT BAND—Saves the trees, keeps down all crawling insect pests; easy to apply; fits any kind or size tree. Price of 15-foot roll, 50c, postpaid.



M. & S. Spraying Apparatus Jim-Dandy Sprayer



SOMETHING NOVEL — SOMETHING NEW

Adapted for spraying Garden and Farm Vegetables of every description. Will spray rapidly. Disinfectants; Fly Spray; Whitewash, Carbola, Cold Water Paints, etc. To operate, simply work plunger—handle slowly; one stroke will cover a large area and no liquids wasted. The reservoir is

made of heavy galvanized iron, capacity two quarts; all other parts are entirely of brass, including ball check valves and nozzle. The Golden Spray Nozzle furnished is adjustable for large fine mist spray or long distance coarse spray, as desired. Parcel post weight, 4 lbs. Price, \$3.50 each.

The Paragon Sprayer

Excellent for applying whitewash or cold water paint, or any spray material.

No. 1—Equipped with a 5-gal. reservoir, 10 ft. of hose and 2 extension pipes, 1 straight spray nozzle, 1 mist nozzle; like illustration. Price, \$17.50.

No. 3—Equipped with a 12 gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 feet of hose. \$25.00; without truck, \$21.50.

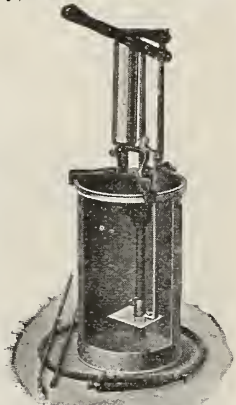
Paragon Bucket Spray Pump—Must be seen to be appreciated. Price, \$7.50.

Spray Hose

Spray Hose, ½ inch, best made, all rubber. 15c per foot. Postpaid.

½ inch clamps for same, 5c each; 50c dozen. Postpaid.

½ inch Hose Couplings, 25c pair. Postpaid.



No. 1 Paragon Sprayer

Auto Sprayer No. 5



Auto Sprayer No. 5

and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion. The Auto Spray No. 5 excels all other pumps in durability and simplicity. Because it is double acting it will do the same spraying that other pumps do, with half the labor. Parcel Post weight, 3 lbs. Price, \$4.50. We can furnish this pump with a Knapsack Tank. Price, complete, \$7.50. Parcel Post weight, 5 lbs.

This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes

Auto Sprays Nos. 9 and 2

This sprayer is designed for all kinds of general purpose spraying. It is most convenient and satisfactory for spraying small trees and general garden crops, flowers, also whitewashing. It has the improved screw top, air pump locking device. Capacity 3½ gallons. Parcel Post weight, 10 lbs. Price—

No. 9D—Galvanized tank\$6.00
No. 9B—Brass tank 9 00
No. 2B—All brass cap; 1½ gal.; wgt., 6 lbs.. 7.50
No. 2E—Galvanized cap, 1½ gal.; wgt., 6 lbs.. 5.00
2-Foot brass extension rods, 50c; galvanized, .40



Auto Spray No. 26

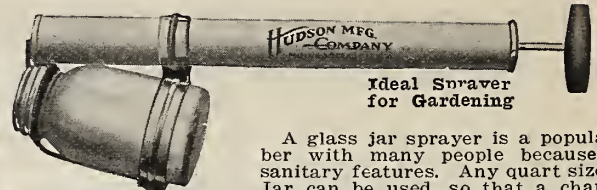


Auto Spray, No. 26-C—
1 qt. all brass..\$1.25
Auto Spray, No. 26-A—
1 qt. all tin.....35
Parcel Post weight,
3 lbs. each.
Garden or Green-
house Syringe, No. 101
—One rose and single
stream, solid brass.
Price, \$3.50. Parcel
Post weight, 3 lbs.

B. D. Sifter and Dickey Duster

B. D. Sifter—See illustration, also used for applying Bug Death and other powder insecticides. Parcel Post weight, 3 lbs. Price, 65c.

Dickey Duster—Made of tin; used for applying Bug Death and other powder insecticides. Parcel Post wgt., 2 lbs. Price, 45c.



Ideal Sprayer
for Gardening

A glass jar sprayer is a popular number with many people because of its sanitary features. Any quart size Mason Jar can be used, so that a change can easily be made from one solution to another by simply changing jars. There is no need to clean out the tank, simply set away until again wanted. It is a strong, practical sprayer with double discharge tubes. Throws a wide fanshaped spray.

No. 530—Glass Jar, tin pump. Price each.....75c
Parcel Post, add 10c each.

ALL-TIN GENERAL PURPOSE SPRAYER

The best selling quart size sprayer made, and one that is a universal favorite. It will be found a convenient article for any work in and around the house, yard, or small garden, for it has a wide range of usefulness.

No. 22a—All-Tin Quart Sprayer. Price each...50c

No. 202—Midget Tin Sprayer, pint size. Each...40c
If to be sent, add 10c to each size.

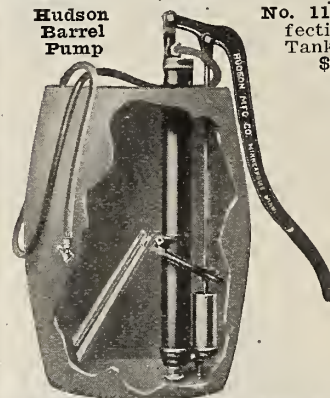
HUDSON PERFECTION SPRAYER

The Perfection is built like a steam boiler, with all seams riveted and soldered to withstand high pressure and is tested under actual working conditions before it leaves the factory. Tank is either of heavy galvanized or brass sheets, capacity 4 gallons. Pump is brass, mounted inside the tank, and removed by hand for cleaning, inspection, etc. Nozzle is automatic and operates perfectly under all pressures. Packed for shipment in heavy fibre carton; shipping weight, 11 pounds.

No. 110G—Perfection, Galvanized Tank. Price, each.....\$6.00

Hudson
Barrel
Pump

No. 110B—Perfection, Brass Tank. Each, \$9.00



Hudson Perfection
Sprayer

HUDSON BARREL PUMP

The Hudson Barrel Pump is adapted for any work requiring a high-pressure outfit. It may be used in the orchard and vineyard, in the truck garden, potato, onion or melon field, in the stock barn, cattle pen and chicken house, or for general work around the house and yard. It is strong and durable, and will easily maintain a working pressure of 200 pounds.

No. 4A—Pump complete with 12½ feet of ½-inch spray hose and ideal angle spray nozzle as shown without barrel. Shipping weight, 45 pounds. Price, each.....\$14.00

No. 4B—Pump complete with barrel and discharge equipment as shown. Price, each.....\$31.40

No. 175—8 ft. iron pipe extension. Each.....\$1.20

No. 149—Leakless shut off. Each.....\$1.00

MAGIC BUCKET SPRAY PUMP

This pump is also very popular for use with stock dips and similar remedies, for garden work, washing buggies, autos, windows, etc., and in an emergency as a fire pump. Nozzle is adapted to all kinds of solutions and all classes of work. Will throw a solid stream when two-hole disc is removed.

Standard Package—One in heavy corrugated carton; shipping weight, 6 lbs.
No. 124—Magic Spray Pump. Each \$5.00

NOZZLES

No. 176—Perfection Shut-off Nozzle. Each\$1.50

No. 136—Bordeaux Nozzle, for whitewash. Each\$.80

No. 164—Double Fog Nozzle. Ea., \$2.00

No. 64—Double Ideal Nozzle. Ea., \$2.50

No. 145—Simplex Nozzle. Each...\$.75

No. 168—Fog Nozzle. Each.....\$.75

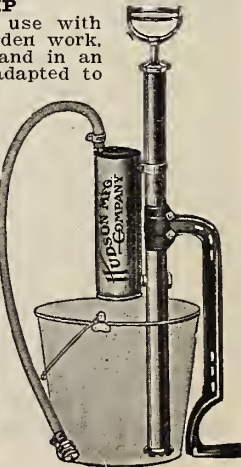
All Nozzles Post Prepaid.

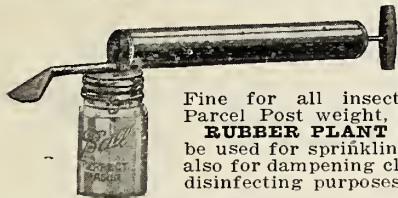
BAMBOO SPRAY POLE

No. 42—8 ft. Price each, with stop cock. Not mailable.....\$4.50

No. 42—10 ft. Price each, with stop cock. Not mailable.....\$4.75

No. 44—12 ft. Price each, with stop cock. Not mailable.....\$5.00





M. & S. SPRAYING APPARATUS—Continued

M. & S. MASON JAR POWDER BLOWER —

Fine for all insecticide in powder form. Parcel Post weight, 3 lbs. Price, \$1.00.
RUBBER PLANT SPRINKLERS—They can be used for sprinkling plants, cut flowers, etc., also for dampening clothes and carpets, and for disinfecting purposes.

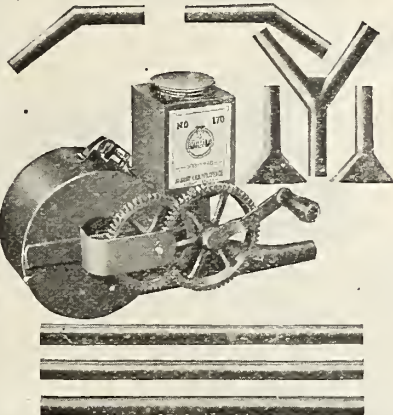
No. 480—8 oz. angle neck. See Fig. 3. \$1.25. Parcel Post weight, 1 lb.
No. 10—4 oz. straight neck. See Fig. 2. 75c. Parcel Post weight, 1 lb.
UTILITY DUSTER
No. 170—The Utility Duster will handle successfully Arsenate of Lead, Arsenate of Calcium, Paris Green, Lime-Sulphur and similar mixtures in dry form. They made be applied at any time of the day, on plants while wet or dry. It is so designed that a steady and uniform delivery is maintained and one or two rows may be treated at one time as fast as a man walks.
Packed one in a carton complete. Shipping weight, 8 lbs.
No. 170 Utility Duster, price \$12.00.



Fig. 2



Fig. 3



M. & S. POWDER BELLOWS NO. 600—Strong and serviceable, for Paris Green and other preparations. Parcel Post weight, 3 lbs. Price, \$1.50.
WATERING CANS—Made of heavy galvanized iron, removable rose. 4 qt. 65c; 6 qt. 75c; 8 qt. 90c; 10 qt. \$1.00; 12 qt. \$1.25; 16 qt. \$1.50.

RAINBOW HOSE NOZZLE—The perfect nozzle. No leaks, nothing to wear out, full stream, fine spray, soft stream, positive shut off. Price, 85c, postpaid. (See figure 6.)

Rainbow Lawn Sprinklers

Rainbow Sprinklers run on a hard fibre washer which absorbs water and eliminates all wear and tear. Covers area 40 to 50 feet, throws wonderful spray, revolves fast on any pressure. No repairs, no leaks. Price, \$3.00, postpaid.

REVOLVING SLED STAND SPRINKLER. Fig. 5. Price, \$3.00, postpaid.
STANDARD REVOLVING STICK STAND SPRINKLER—36 in. long, wonderful for gardens. Price, \$3.00, postpaid. Fig. 4.

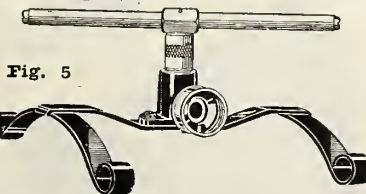


Fig. 5

Fig. 4



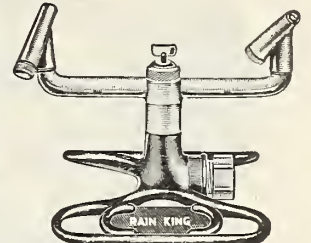
Fountain Sprinkler

Made of Heavy Brass.

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, \$1.00, postpaid.

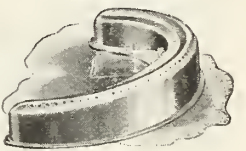
The Rain King

The Rain King Sprinkler is strikingly different from any other sprinkler ever made. A wonderful combination: Circular or stationary spray—coarse or fine—fast or slow—large lawn—small lawn—trees—shrubs—flower beds—takes care of them all. Sturdy and simple in design. Absolutely nothing to get out of order. Free from the faults common to the average run of sprinklers. The Rain King is a real sprinkler—built for work. Price, \$3.50, postpaid.



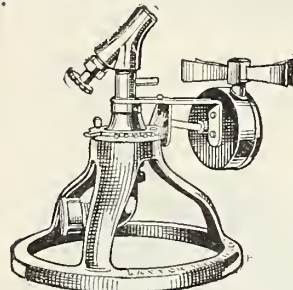
Half Fountain Sprinkler

Same as illustration; can be easily moved, while sprinkling, without operator getting wet. Price, 85c, postpaid.



Dayton Sprinkler

Dayton Sprinkler—Type A This Sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet in diameter. It covers four times the area of any sprinkler its size. Instead of spraying in a continuous circle, it sends the water in one direction and slowly rotates, thus covering every inch of ground evenly. Price, \$8.00, postpaid.



Rubber Hose, Reels, Menders, Etc.

M. & S. SPRAYER NOZZLE—Sprinkles like a watering can. \$1.25.
HOSE MENDERS (Sure Shot)—15c each; \$1.75 per dozen.
HOSE COUPLINGS—Brass, regular size, 25c per pair.
HOSE WASHERS—Rubber, regular size 10c per dozen.
HOSE BANDS—For 3/4, 5/8 and 1/2-inch hose. 5c each; 50c per dozen.
HOSE NOZZLES—Combined solid stream and spray. 80c each. (Boston.)
HOSE REELS—Victor all steel cap; 75 ft. Price, \$2.50. (Figure 1.)

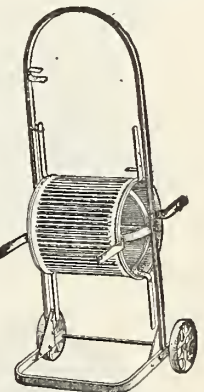


Fig. 1

Tubular Hose Reel

(Figure 2.)
No. 10—Capacity, 100 feet. Price, \$4.00.
No. 20—Capacity, 150 feet. Price, \$5.00.

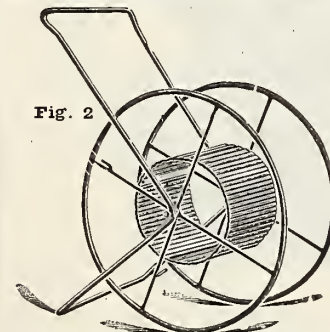


Fig. 2

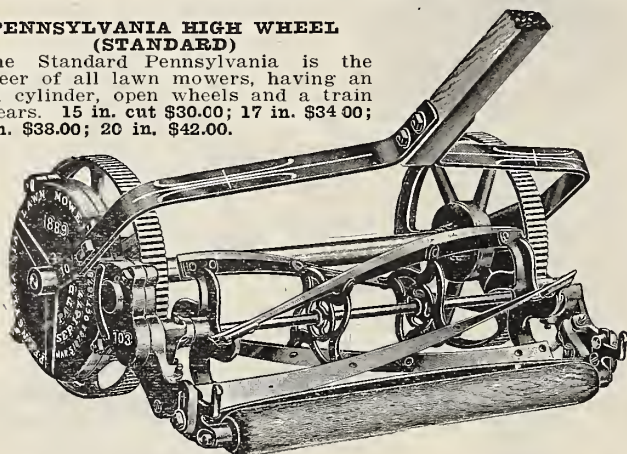
Whipcord Moulded Braided Garden Hose

The hose we offer is the best. It is guaranteed not to break. **WHIPCORD**—Continuous length braided 3/8 in. hose. We can furnish any lengths. We can highly recommend this hose. 15c per foot any length without couplings. Furnished also in 1/2 inch, 1c per foot less, and 3/4 inch, 1c per foot more than 3/8 inch as listed.
25 feet coupled\$4.25
50 feet coupled8.00
100 feet coupled16.00
WIXOM GARDEN HOSE—5-ply, coupled in 50 ft. lengths. Price, \$7.00; 25 feet, \$3.75.

M. & S. RELIABLE LAWN MOWERS, ETC.

PENNSYLVANIA HIGH WHEEL (STANDARD)

The Standard Pennsylvania is the pioneer of all lawn mowers, having an open cylinder, open wheels and a train of gears. 15 in. cut \$30.00; 17 in. \$34.00; 19 in. \$38.00; 20 in. \$42.00.



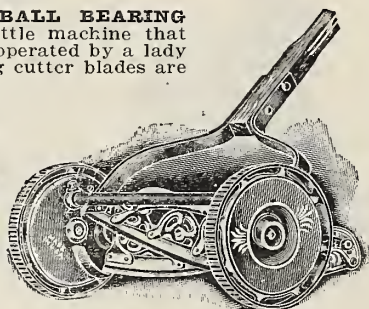
M. & S. "COLONIAL" BALL BEARING LAWNMOWER—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

PRICES:

12 in. \$10.50; 14 in. \$11.25; 16 in. \$12.00.

COLDWELL'S LAWN TRIMMER—Excellent for trimming around flower beds, shrubbery and walks. Revolving cutter is 6 inches and cuts within 1/4 inch of side construction.

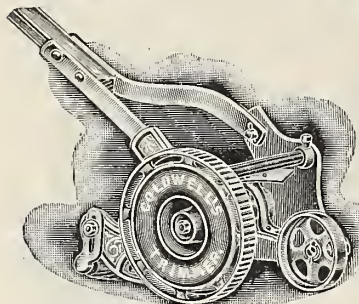
Price, \$11.25.



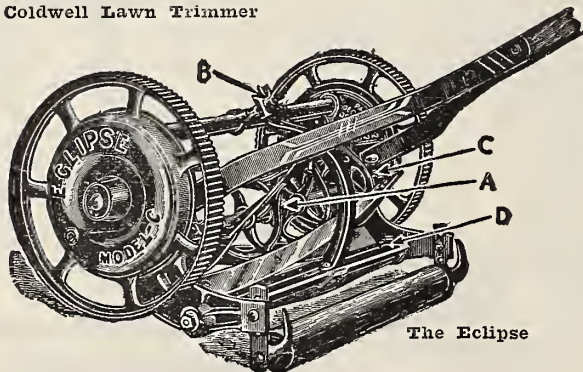
M. & S. Colonial

THE PROPHET LAWN MOWER—A first-class mower, of neat appearance, which will do the work. 14 in. \$14.50; 16 in. \$15.50; 18 in. \$16.50.

THE LADY LAWN MOWER—A first-class machine, which is cheaper than the above because it is smaller and lighter. 14 in. \$11.50; 16 in. \$12.25; 18 in. \$13.00.



Coldwell Lawn Trimmer



The Eclipse

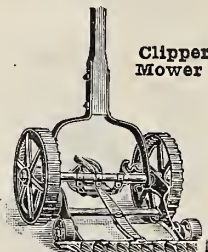
ECLIPSE BALL BEARING

The Eclipse Self-Sharpening Lawn Mower "the machine with no bad features"—The Eclipse is a strong, durable, handsome machine in which simplicity is the keynote. Has ten-inch drive wheels, six-inch four blade reel, flat spring steel clutches, crucible steel blades, the strongest frame and best hard maple handle and roller in any lawn mower.

The Lever Adjustment for bringing the stationary blade up to the revolving blades is so simple that a child can do it. No troublesome set screws or bolts to operate—no tools needed—just two thumb nuts to do it.

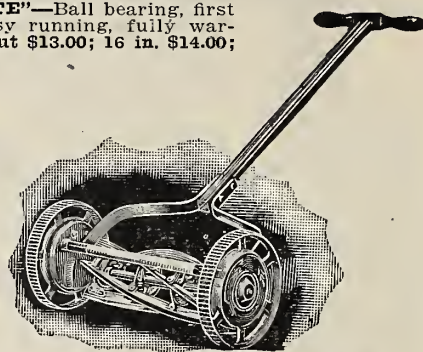
14 in. cut \$20.00; 16 in. \$21.50; 18 in. \$23.00; 20 in. \$24.50.

M. & S. "INTERSTATE"—Ball bearing, first class, high wheel. Easy running, fully warranted. Prices—14 in cut \$13.00; 16 in. \$14.00; 18 in. \$15.00.



Clipper Mower

Price, see above.



M. & S. Interstate

COLDWELL'S IMPERIAL ROLLER BEARING

Lightest Running — Strongest Built. Wheels—10 1/4 inch. Blades—Five.

Bearings — Standard Hyatt Roller. Gears — Triple-pawl ratchet. Material and Finish—Highest class.

Prices: 16 in. \$20.00; 18 in. \$22.00; 20 in. \$24.00.

M. & S. SWIFT CUTTER—A low-priced machine for small grass plots, not ballbearing, fully guaranteed.

Prices: 12 in. cut \$8.00; 14 in. \$8.75; 16 in. \$9.50.

COLDWELL'S IMPROVED HORSE LAWN MOWER—This well known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Complete with seat and shaft.

Price: 30 in. \$117.50; 35 in. \$135.00; 40 in. \$152.50.

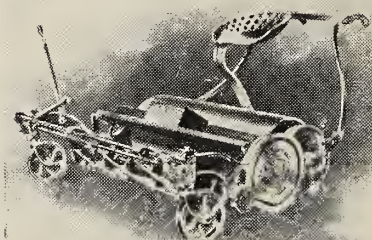
PONY MOWER, 25-inch cut, equipped with single tree only. Price, \$77.50.

OIL CANS—Filled with oil. 15c and 25c. We Repair and Sharpen Lawn Mowers

HORSE BOOTS, Set of four, \$20.00.

THE "CLIPPER" MOWER—There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. 12 in. cut \$9.50; 15 in. cut \$10.75; 18 in. cut \$12.00; 21 in. cut \$13.50; 24 in. Pony Mower \$26.00.

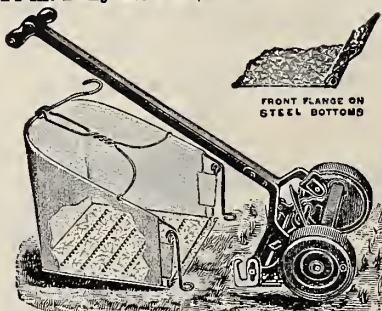
Coldwell's "Improved" Horse Lawn Mower



M. & S. EASY EMPTYING CANVAS GRASS CATCHER

Designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower, 12 to 18 inch, \$1.50. Parcel post weight 5 lb.

ECONOMY GRASS CATCHER—A good make, but lighter than the Easy, construction similar, fits any mower from 12 to 17 inches. Price, \$1.00. Parcel post weight, 5 lbs.



FRONT FLANGE ON STEEL BOTTOM

Everlastic Rubber Roofing

Look at the label before you buy! If the label reads "Barrett Everlastic Roofing" you are perfectly safe. You are sure of a moderate-priced roof that will give many years of satisfactory service.

Medium—108 square feet, guaranteed 10 years.....\$2.50
Heavy—108 square feet, guaranteed 15 years..... 3.00

Tomahawk Roofing

This roofing is offered as a good average quality product. It will give good service on the roof. Where the highest quality roofing is not necessary this product is recommended.

1-ply 108 square feet.....\$1.50
2-ply 108 square feet..... 1.75
3-ply 108 square feet..... 2.00

Prices on Roofing Subject to Change Without Notice.

Barrett Liquid Elastigum

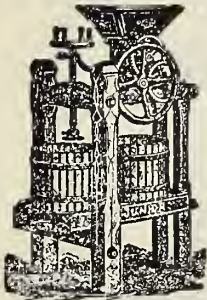
Barrett Liquid Elastigum is a cement in liquid form that gives new life to old roofs. It forms a tough, impervious coating over the entire roof, closing cracks and small holes that would otherwise admit moisture, thus making the roof practically one solid piece and, as far as utility goes, almost as good as new. It spreads readily and any one can apply it. Price, \$1.25 per gal.; 5 gal. \$4.00.

Cider Mills, Wine or Berry Presses

Prices Subject to Change

Cider Mills—Made of best quality wood, carefully bolted and finished.

Single Cage Mill—Weight, 140 pounds. Price, 20.00.



Cider Mill

Junior — Capacity, 2 to 4 barrels per day, \$29.00.

Medium — Capacity, 6 to 8 barrels per day, \$33.50.

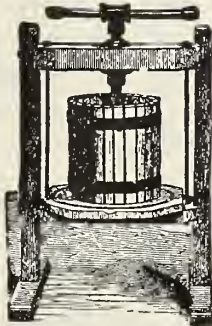
Senior—Capacity, 6 to 12 barrels per day, \$50.00.

Wine, or Berry Presses:

No. 1—Capacity, 1 peck, \$8.00.

No. 2—Capacity, 2 pecks, \$10.00.

No. 3—Capacity, 4 pecks, \$16.00.



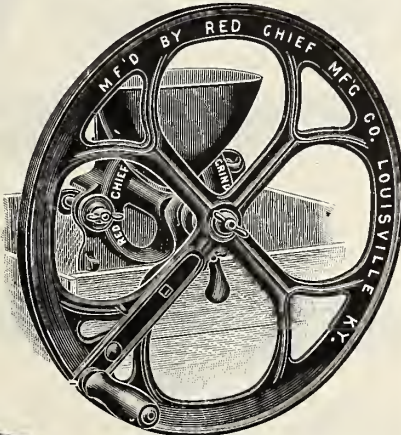
Wine Press

"Red Chief" Grinding Mills

No. 1—For Small Poultry Raisers. Price, \$4.00.

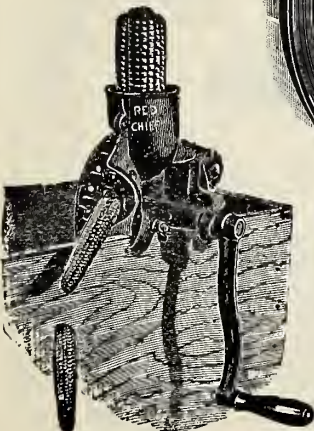
No. 5—With large capacity, feed gauge and fly wheel. Clamps to box. Price, \$7.75.

No. 10—With feed gauge, fly wheel and handsome stand to screw on table. Price, \$9.50.



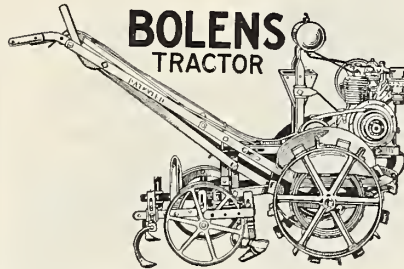
"Red Chief" Corn Sheller

This sheller is guaranteed to do good work. It is heavy in construction, with patent oval-shaped teeth which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. Price, each \$2.75; weight, 12 pounds.



"Red Chief" Corn Sheller

BOLENS POWER HOE and Lawn Mower Tractor



A light garden tractor so skillfully designed that it is a motorized wheel hoe. It seeds, it weeds, it cultivates, it mows the lawn. It has a power pulley for operating light machinery.

The BOLENS has a patented arched axle for clearance and a tool control for accurate guidance in close weeding and cultivating. A differential drive makes turning easy. Gauge wheels regulate the depth and keep it uniform without attention from the operator. The handles are offset, enabling the operator to walk between the rows.

All attachments have snap hitches and are instantly interchangeable. You can go from cultivating to lawn mowing in less than two minutes without the use of a wrench.

A boy will run it with delight.

The BOLENS uses the standard wheel hoe tools.

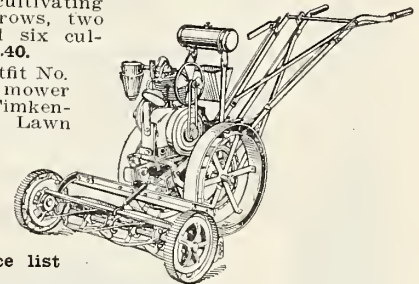
Prices are as follows, F. O. B. Port Washington, Wis.:

Outfit No. 2—With cultivating frame for one and two rows, two pair of weeding hoes and six cultivator teeth. Price, \$186.40.

Outfit No. 8—Same as outfit No. 2, with addition of lawn mower attachment and 30-in. Timken-equipped cutting unit Lawn Mower. Price, \$256.40.

Outfit No. 8X—Same as outfit No. 2, with addition of lawn mower attachment and 20-in. ballbearing cutting unit. Price, \$218.40.

Complete catalog and price list upon request.



"Sure Grip" Adjustable Jar, Bottle and Can Opener

OPENS EVERYTHING IN JARS, BOTTLES AND CANS

Needed in every home. In use the year 'round. Adjustable to all sizes of jars, bottles and cans. Price, 25c, postpaid.



Fig. 2

Ideal Power Lawn Mowers

There is an Ideal Mower for every lawn mowing requirement:

The 22-inch Junior, which cuts one-half acre hourly.

The 30-inch, which cuts three-fourths acre hourly.

The 84-inch Triplex with three thirty-inch cutters, which cuts from 3 to 4 acres hourly, and is for vast areas of lawn, such as golf fairways.

The 18-inch special Power Putting Green Mower, which saves 50% over the hand method of mowing golf putting greens.

Then there is also the Ideal Power Lawn Sweeper.

Complete information on any or all, including prices, on request.

Rat Traps

Victor Rat Traps—20c each; \$1.50 dozen; postpaid.

Victor Mice Traps—5c each; 40c doz.; postpaid.

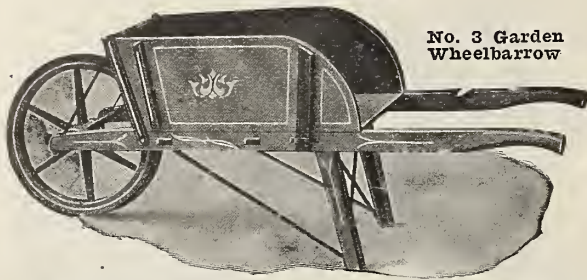
Wire Cage Rat Traps—The kind that catches them alive. \$1.00 each, postpaid.

The Faultless Rat Trap—This trap will catch and kill them every time. 50c each. Parcel Post weight, 1 lb.



M. & S. LAWN AND GARDEN ACCESSORIES

Wheelbarrows



No. 3 Garden
Wheelbarrow

No. 3 Wheelbarrow, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½ in. wheel; 20 in. diameter; 6 spokes. Price, \$7.50; set up, \$8.00.

Oils and Axle Grease

Harness Oil "Eureka"—Pt. 35c.

Cream Separator Oil—2 qts. 75c; 5 gals. \$4.50.

Harvesting Machine Oil—Gal. \$1.00.

Gasline Engine Oil—Gal. \$1.25.

Household Lubricant Oil—In can with spout ready for use. 20c. Empty can like Fig. 4, fits field mowers—15c each. Parcel Post weight, 1 lb.

Mica Axle Grease—Tin can, 25c; 3 lb. can, 40c; 15 lbs. \$1.60.

"Tro-Weed"



A BOON TO GARDENERS, FLORISTS,
GREENHOUSEMEN

A Combination Garden Tool—Trowel—Weeder—Transplanter. Price, 40c. Parcel post weight, 2 lbs.

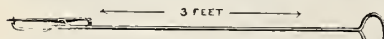


Fig. 17

Asparagus Buncher—Latest improved. Price, \$4.00. Wt. 4 lbs.

Wire Fruit Pickers—To be adjusted to long pole. Price, 60c each. Weight, 2 lbs.

Magic "EZ" Weeder—Fig. 13. Light in weight, strong in construction; excellent tool; in great favor; best for the price. Three time. Best quality, No. 8½ steel wire. Nicely tinned. Length, 9 inches; weight, 4½ oz. Black enameled handle, No. A. Price 15c; weight, 1 lb.; No. D, large size, 4-tined with hoe or scraper on back. Price, 45c; weight, 2 lbs.



kicker; no complicated parts; will last a lifetime. Price, \$1.75, postpaid.

Germain Automatic
Lawn Weeder — Weighs
only 2½ lbs.; steel prong



Fig. 18.

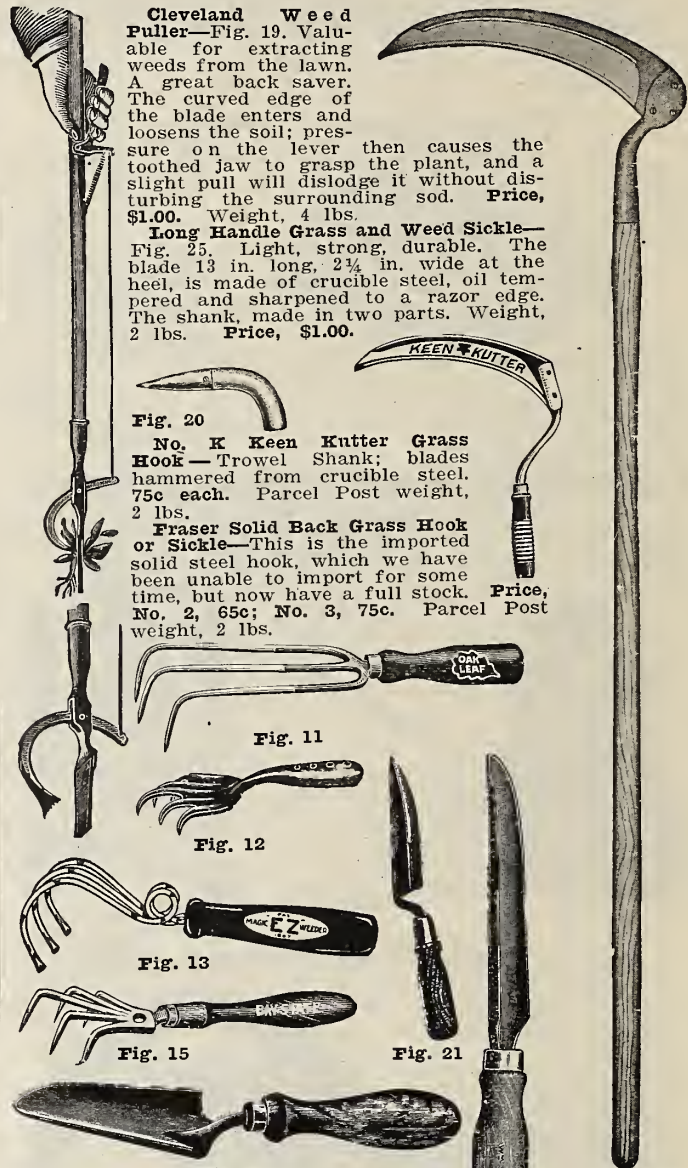
Thistle and Dock Cutter—Fig. 18.
Price, \$1.50.

"Dandelion" Spuds—A practical weeder; long handle. Price, 25c.

No. 215 Good, Strong 7-Inch Trowel—Fig. 23. Price, 25c. Parcel Post weight, 1 lb.

No. 217 Transplanting Trowels—Fig. 19. 6 inch. Weight, 1 lb. Price, 25c.

M. & S. One-Piece All-Steel Trowel—Indestructible. Fig. 16. Price, 40c. Parcel Post weight, 2 lbs.



Cleveland Weed Puller—Fig. 19. Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price, \$1.00. Weight, 4 lbs.

Long Handle Grass and Weed Sickle—Fig. 25. Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. The shank, made in two parts. Weight, 2 lbs. Price, \$1.00.

Fig. 20

No. K Keen Kutter Grass Hook—Trowel Shank; blades hammered from crucible steel. 75c each. Parcel Post weight, 2 lbs.

Fraser Solid Back Grass Hook or Sickle—This is the imported solid steel hook, which we have been unable to import for some time, but now have a full stock. Price, No. 2, 65c; No. 3, 75c. Parcel Post weight, 2 lbs.

Fig. 11

Fig. 12

Fig. 13

Fig. 15

Fig. 21

Fig. 22

Fig. 16

Fig. 23

Eureka Garden Weeder—Fig. 11. 50c. Parcel Post weight, 1 lb. Same with 2-ft. handle, 60c. Parcel Post weight, 2 lbs.

Garden Fork or Weeder—Fig. 20. 50c. Wgt., 1 lb. Garden Fork—Similar to above. 25c. Wgt., 1 lb.

Dibbles, or Planting Pegs—Bent wood handle. 65c. Weight, 1 lb. Fig. 20.

No. 211 Steel Shank Trowel—Best trowel made. 75c. Parcel Post weight, 2 lbs. Fig. 21.

Excelsior Weeder—Five teeth. Fig. 15. Price, 20c. Weight 1 lb.

M. & S. One Piece All Steel Weeder—Fig. 12. 35c. Parcel Post weight, 1 lb.

No. 212 One-Piece Trowels—50c. Fig. 22.

Fig. 25

Fig. 20

THE "LITTLE WONDER" HEDGE TRIMMER

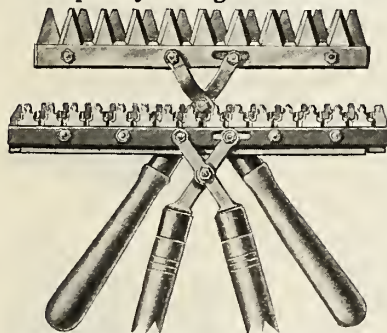


Illustrating Top Cuts with 30-Inch and 40-Inch Models

- E 30-Inch** Complete with One-Man Attachments.....\$25.00
B 40-Inch Two-Person Machine, omitting One-Man Attachment 27.00
B 40-Inch With One-Man Attachments 30.00
D 60-Inch Two-Man Machine 35.00

Weight of machines from 10 to 15 pounds, according to size and attachments. Shipping weight, 25 pounds. 30 in. and 40 in. sizes may be sent by parcel post.

For Fresh New Growth Only Simplicity Hedge Trimmer



Simplicity Hedge Pruner and Trimmer

For Pruning Back Old Growth and Trimming New

The **Simplicity Pruner and Trimmer** can also be used for trimming with excellent results. Many home users have chosen it to do all their trimmings.

Simplicity is made of the Finest High-Grade Carbon Steel and will give you long service and satisfaction.

Pruner and Trimmer, \$7.50, postpaid; Trimmer, \$5.00, postpaid.

With these tools you can actually do as much work in one hour as you formerly did in four hours with the old style pruner or looping shears.

Simplicity cuts both opening and closing. Think of it! What a time and energy saver this is, with each complete movement of your hands you save 20 jolting, blistering and tiresome wacks the old pruner or lopping shear way.

It seems to work almost automatically and you must actually try it to realize how easy it works.

With its perfect balance and only three-pound weight, besides **Simplicity's** sixteen-inch width, it has 31 big safe, keen fluted teeth, cutting cleanly both when opening and closing.

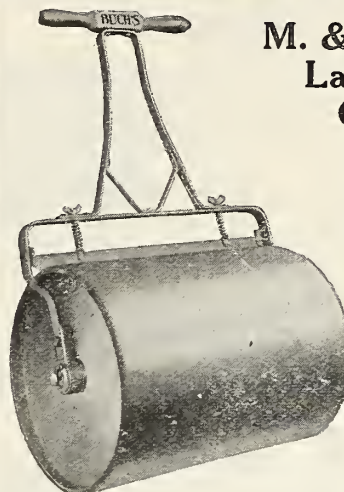
Sure-Klip Grass and Sheep Shears

All **SURE-KLIP** Shears are equipped with two little blade locks, one on each blade, making it impossible for the blades to slip under each other; they are just the proper size to keep perfect adjustment and increase their efficiency.

No. 11—5½-inch blade, trowel shank, high-grade, tempered cutlery steel. Price, \$1.00, postpaid.

No. 12—5½-inch blade, trowel shank, bright finished cold rolled steel, case hardened. Price, 75c, postpaid.

No. 14—5½-inch blade, trowel shank, bright finished cold rolled steel. Price, 50c, postpaid.



M. & S. Water Ballast Lawn and Tennis Court Rollers

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Handle always in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

Weight
Filled with Filled with

	In.	In.	Empty.	Water.	Sand.	Price.
No. 602	18	24	75	330	475	\$20.00
No. 603	24	24	100	440	630	24.00

Cast Steel Roller Bearing Lawn Roller—To raise a velvety, thick lawn and keep it so the lawn-roller is a great aid. In the spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding, from the grass roots.
No. 501—Diam. 15 in., 2 sec., weight 175 lbs., length 15 in., \$18.00
No. 504—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., 23.00
No. 507—Diam. 20 in., 2 sec., weight 300 lbs., length 24 in., 27.50

Horse Lawn and Field Rollers and Other Size Hand Rollers—Prices furnished upon application.

Hand Pruning Shears

No. R-95. 10 inch—The best made, has adjusting nut and regulating ratchet, made after the French pattern coil spring and wheel type. Weight, 2 lbs. Price, \$3.75.

No. 110. 8 inch—This shear designed with two cutting edges, has tremendous strength best for long hard use and positive cutting. Weight, 2 lbs. Price, \$3.00.

No. R-85. 8½ inch—Full polished. Double flat brass spring kind. Weight, 2 lbs. Price, \$2.50.

No. R-70. 9-inch—Like illustration, has adjusting nut and regulating ratchet, steel blades of extra quality, tempered, Volute spring.

Price, \$1.50. Parcel Post weight, 2 lbs.

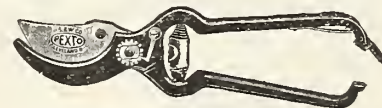


Fig. R-85

No. R-65. 9 inch—Like above, no extra blade polished pruner. Weight, 2 lbs. Price, \$1.75.

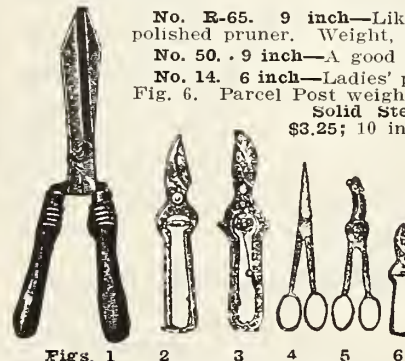
No. 50. 9 inch—A good pruner; weight, 1 lb. 90c.

No. 14. 6 inch—Ladies' pruner, full polished, \$1.25. Fig. 6. Parcel Post weight, 1 lb.

Solid Steel Hedge Shears—12 in., \$3.25; 10 in., \$2.75; 9 in., \$2.50; 8 in., \$2.25.

All equipped with notch; the notch is very useful in heavy trimming or lopping. Parcel Post weight on all hedge shears, 3 lbs.

Ladies' Hedge Shears—5½ inch cut. Price, \$1.50. Parcel Post weight, 2 lbs.



Figs. 1 2 3 4 5 6

Godwin's Grass Shears—Fig. 18. Something entirely new; weight, 2 lbs. Price, \$1.50, postpaid. See Fig. 18.

Lawn Shears, Imported—Two wheels, 9-in. blade, long handle for cutting on narrow borders, under fences and shrubs. Price, \$6.00. Parcel Post weight, 5 pounds.

Border Shears—Same as above, but the blades are shaped vertical for trimming borders. Price, \$6.00. Parcel Post weight, 5 pounds.



Fig 18

M. & S. PRUNING TOOLS, ETC.

"McKenney Pruner"

Made in two sizes: No. 1 and No. 2. The No. 1 cuts limbs up to 1 inch in diameter.

The No. 2 cuts limbs up to 1½ inch in diameter. Splendid for dehorning young cattle. Fig. 2.

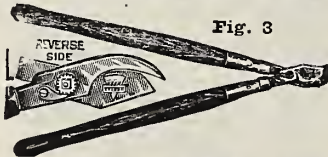
	Weight.	Length.	Price.
No. 1	2 lbs.	23-inch.	\$4.50
No. 2	5 lbs.	30-inch.	6.00

In order that you may be convinced that the "McKenney" Pruner is the best, we ask you to test it out against all other pruners that are on market.

Fig. 2



Fig. 3



"Keen Kutter" Pruning Shears—Fig. 3. Curved blade and hook. Forged steel; polished and tempered. ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; 24-inch hardwood handles; natural finish. Price, \$2.50. Parcel post weight, 4 lbs.

Draw Cut Pruning Shears—Made of best material, very strong and clean cutting. No. 5400—24-in. handle, \$3.25. No. 5401—22-in. handle, \$3.00. Parcel post weight on both, 5 lbs.

"KEEN KUTTER" TREE PRUNER

Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel drawn cutting blade 4½ inches long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle; painted red, with hardwood grip; clip that handle works is bolted to pole; length of lever handle, 11 in., 10 ft. Price \$2.50; 12 ft. \$2.75.

Jointed Pole Tree Trimmer—Fig. 24. 12 feet long, can readily be transformed to 8 foot trimmer; made of the best material; very strong. Price, \$4.50. Parcel Post weight, 8 lbs.

Extra blades, 40c each.

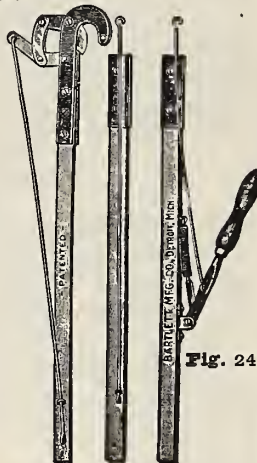


Fig. 24

The Rhodes Double-Cut Hand Pruner

The finest cutting pruner made. Solid tool steel. Piano wire spring insuring long life. Catch used on our Hand Shear cannot pinch the hand or lock 9 inches. Price, \$4.50.

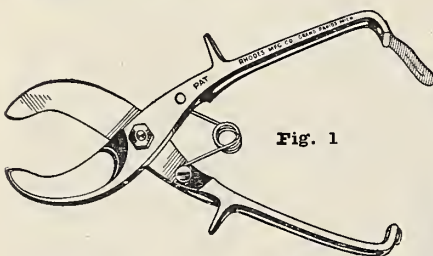


Fig. 1

while in use. Made in one size; length,

The Rhodes Double-Cut Pole Pruner

Light and strong. A necessity in every orchard. Pole, 10 feet long. Fig. 25. Price, \$3.50.

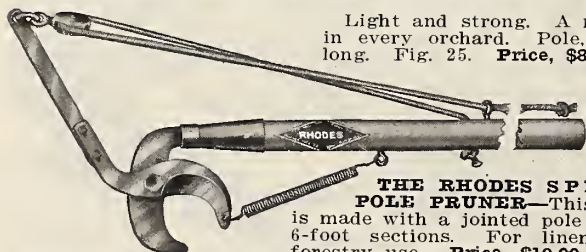


Fig. 25

THE RHODES SPECIAL POLE PRUNER—This Pruner is made with a jointed pole of three 6-foot sections. For linemen and forestry use. Price, \$12.00.

THE RHODES POLE PARAGON PRUNING SAW—For cutting large limbs high up; adjustable to any angle; 10-foot pole. Price, \$4.00.

No. 11 Budding Knife. Spey blade or budding blade, ivory handle. Price of either, 90c, postpaid.

Rhodes Double-Cut Lopping Shears

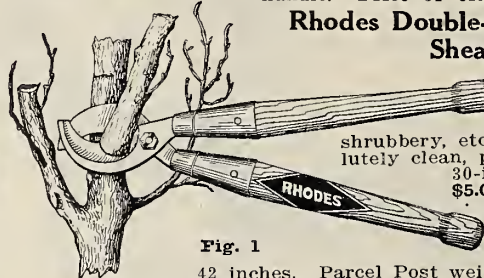


Fig. 1

42 inches. Parcel Post weight, 10 lbs. Price, \$6.50.

Fig. 1. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; 26 and 30-in. handle. Price, \$5.00. Parcel Post weight, 5 pounds.

Extra Heavy—For brush and dehorning cattle.

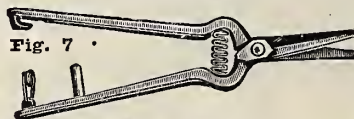


Fig. 7

Grape and Flower Shears—Fig. 7. Very useful. Price, 50c each. Parcel Post weight, 1 lb.

Pruning Saws—Made of the very best material, either double or single cutting edge, \$1.75. Fig. 8. Weight, 2 lbs.

Pruning Knife, No. 1—Wood handle. \$1.10, postpaid.

Fig. 8

Saw and Budding Knife Combined, No. 100—Very useful. \$1.25, postpaid.

Pocket Knife, No. 24278—Double blade; spey and budding; bone handle. \$1.25, postpaid.

No. 57, Pocket Knife—2 blades; pruning and budding; horn handle. Price, \$1.25, postpaid.



GRAFTING WAX—¼ lb. 15c; ½ lb. 25c; 1 lb. 40c. **Hot Bed Sash—**Made to hold either 24 or 28 8x10 panes. These sashes are grooved so that the panes slide in and butt one against the other. \$2.00 each. Price subject to change.

Hotbed Mats—Burlap covered, 40x76 size, covers one sash. \$1.85 each; 76x76, covers two. \$2.90 each. Price subject to change.



Hotbed Glass—Box of 90 panes, 8x10. \$3.25. Price subject to change.

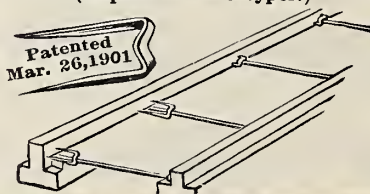
Putty Bulbs—For applying liquid putty. Fig. 22. Price, \$1.35. Parcel Post weight, 1 lb.



Fig. 22

Putty—Semi-liquid. For bedding-glass in sash and filling cracks or seams in roof joints or frames of hotbed or greenhouses. Gallon, \$2.50.

"PEERLESS" GLAZING POINT. (Improved Van Keyper.)



Patented Mar. 26, 1901

Peerless Glazing Points—The finest glazing points on the market. Per box of 1,000, 75c. Parcel Post weight, 1 lb.

A few of Its Good Points

—No raising up when driven. No rights. No lefts. No sliding. No trouble to apply. Cheap, indestructible. Once used, always used. Try them once.



Fig. 8

Parcel Post Weight, 1 lb. on any of the three listed.

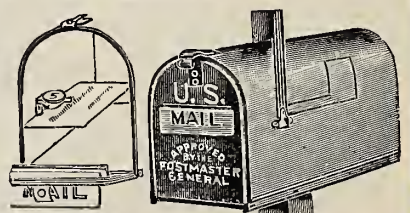
Regular Thermometer—Nicely finished. Price, 75c.

Self-Regulating Hothouse Thermometer—Best grade. \$5.50.

Hotbed Thermometer—Brass point. Fig. 8. Price, \$2.25.

Rural Mail Boxes

22. Gauge Galvanized Steel, without Inner Galvanized Box. Box has a Letter and Coin Holder for mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the Box. Price, \$1.75. Parcel Post weight, 8 lbs.

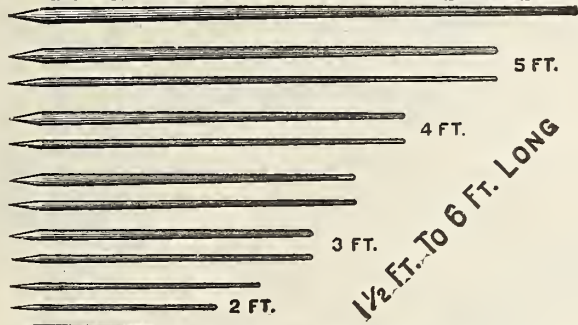


M. & S. HORTICULTURAL AND GARDEN SUPPLIES

Pot and Tree Labels—Painted

Width.	100	P. P. Wt.	500	1000	P. P. W.	per 1000
4 x 5/8 in.	\$0.30	1/2 lb.	\$1.00	\$1.70	3 lbs.	
5 x 5/8 in.	.35	1/2 lb.	1.25	2.10	4 lbs.	
6 x 5/8 in.	.40	3/4 lb.	1.50	2.50	5 lbs.	
10 x 5/8 in.	.75	1 lb.	3.50	5.80	10 lbs.	
12 x 5/8 in.	.90	2 lb.	3.75	6.70	12 lbs.	
8 x 7/8 in.	.75	2 lb.	3.50	6.50	9 lbs.	
10 x 7/8 in.	1.00	2 lb.	4.25	8.00	10 lbs.	
12 x 1 1/8 in.	1.25	3 lb.	6.00	11.00	12 lbs.	
3 1/2" Copper Wired	.35	1/2 lb.	1.40	2.30	4 lbs.	

GREEN PAINTED ROUND PLANT STAKES



HEAVY PLANT STAKES

3 ft., Heavy or Dahlia.	Each 12c.	Per doz. \$1.15.	Per 100 \$8.60
4 ft., Heavy or Dahlia.	Each 15c.	Per doz. \$1.55	Per 100 \$11.40
5 ft., Heavy or Dahlia.	Each 20c.	Per doz. \$2.25.	Per 100 \$14.60
6 ft., Heavy or Dahlia.	Each 25c.	Per doz. \$2.50.	Per 100 \$17.90
P. P. Wgt., Per Doz., 3 ft., 3 lb.; 4 ft., 5 lb.; 5 ft., 7 lb.; 6 ft., 9 lb.			

LIGHT PLANT STAKES

1 1/2 ft., Light, each 3c; dozen 25c; 100 \$1.50.			
2 ft., Light, each 4c; dozen 40c; 100 \$2.80.			
2 1/2 ft., Light, each 6c; dozen 60c; 100 \$4.10.			
3 ft., Light, each 8c; dozen 75c; 100 \$5.40.			
Parcel Post Weight, Per Dozen, 1 1/2 ft., 1/2 lb.; 2 ft., 1/2 lb.; 2 1/2 ft., 1 lb.; 3 ft., 1 1/4 lb.			

BAMBOO PLANT STAKES

	Dozen.	100	1000
2 ft., painted green	\$0.15	\$0.75	\$6.50
3 ft., painted green	.20	1.10	9.00
4 ft., painted green	.25	1.50	12.00
6 ft., not painted	.30	2.00	14.00

Pointed Floral or Hyacinth Stakes

Used for Staking Hyacinths, Tulips, Etc. Dyed Green.

	Price, Doz.	Price, 100	Price, 1000
12 inch	\$0.05	\$0.30	\$2.25
18 inch	.08	.50	3.00

Special Prices to Florists in 1,000 Lots.



Extensively used for shipping, starting seeds and seedlings in frames and hot-houses.

NEPONSET WATERPROOF PAPER FLOWER POTS

	Per Doz.	Per 100.	Per 1,000.		Per Doz.	Per 100.	Per 1,000.
2 1/4 in.	\$0.08	\$0.50	\$3.40	4 in.	\$0.25	\$1.25	\$8.60
3 in.	.15	.70	5.30	5 in.	.30	1.75	13.40
3 1/2 in.	.20	1.00	6.90	6 in.	.40	2.50	17.90

Dozen and 100 lots, postpaid; 1,000 lots, add 25c.

FIBRE SAUCERS AND ROLLING STANDS

These can be depended on not leaking; finished in mahogany color.

Diameter.	Each.	Doz.	Diameter.	Each.	Doz.
5 in.	\$0.40	\$3.90	12 in.	.65	6.80
6 in.	.42	4.20	14 in.	.85	9.40
7 in.	.45	4.50	16 in.	1.50	16.80
8 in.	.47	4.90	18 in.	1.75	19.20
10 in.	\$0.55	\$6.00	19 in.	2.25	25.20

All Postpaid.

Rolling Stands for 22, 18, 16, 14 and 12-inch saucers only. Prices, 60c, 55c, 50c and 30c, respectively. This does not include the saucer.

WIRE STAKE TIE (Buschardt's)

For fastening plants to stakes, either wire or wood: can be used many times. 1,000 ties in a package. Price, \$2.50.

VEGETABLE CRUTCHES (Fig. 1)

Everyone who does even a little home gardening, or plants and tends a few flowers, remembers his annual search for wooden stakes to support sprawling tomato plants or rose bushes, and to string up peas and beans that will vine. They are made of galvanized steel, will last a lifetime. Doz., 100.			
3 foot	\$0.55	\$1.00	
4 foot	.75	5.50	
5 foot	.95	7.25	

If wanted by Parcel Post add 10% for postage.

Flower Pots, Stakes, Etc.

N. Y. STYLE CEDAR TUBS.

The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



New York Style.

Size.	Top Diameter Inches.	Bottom Diameter Inches.	Depth Finished Inches.	Price Each.	Weight Each Pounds.
No. 1	12	9 3/4	10 5/8	\$1.85	9
No. 2	13	10 3/4	12 3/4	2.50	13
No. 3	14 1/2	12 7/16	14 3/4	3.00	15
No. 3 1/2	16 1/2	14 1/2	15 3/4	4.00	18
No. 4	19 7/16	17 1/4	16 3/4	4.25	21
No. 5	22 7/16	20 1/4	18 1/2	5.25	26

Richmond Style.

The Richmond Style tree tubs are made of seasoned selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond Style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earth pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

Size.	Inside Top Diameter Inches.	Inside Bottom Diameter Inches.	Inside Depth Inches.	Price Each.	Weight Each Pounds.
No. 5	10	7 1/2	9	\$0.65	3
No. 7	12	9	11	1.10	4 1/2
No. 9	14	11	13	1.60	7
No. 11	16	12 1/2	15	1.90	9

Earthenware Flower Pots

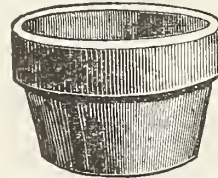
Sent by Express and Freight Only.

	Each.	Dozen.	100.
2 in.	\$0.03	\$0.20	\$1.35
2 1/2 in.	.04	.27	2.00
3 in.	.06	.30	2.25
4 in.	.06	.45	3.25
5 in.	.09	.70	5.25
6 in.	.12	1.25	7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50
12 in.	1.00	9.50	75.00
14 in.	1.60	16.00	125.00



EARTHEN BULB PANS

	Each.	Dozen.	100.
6 in.	\$0.12	\$1.25	\$7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50



EARTHENWARE SAUCERS

4 in.	\$0.04	\$0.40	9 in.	\$0.15	\$1.50
5 in.	.06	.50	10 in.	.18	1.75
6 in.	.07	.65	12 in.	.30	3.00
7 in.	.10	1.00	14 in.	.40	4.00
8 in.	.12	1.25			

Prices on 1,000 Lots on Application.

Twines, Etc.

Jute Twine—3-ply, 15c ball; 35c lb. Binder Twine—Standard; ball, 5 lbs. 75c. Quantity price furnished on application.
Fodder Twine, or Tarred Sisal—Lb. 15c. Quantity prices furnished on application.
Flow Lines—Cotton, per pair, 75c; Sisal, 40c. Weight, 2 lbs.
Garden Line—150 feet of good cotton line, 35c.



Raffia

Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price, lb. 25c. Hanks contain about 2 1/2 lbs. at 20c per lb.; 25 lbs. or more, at 18c lb. Special price on larger quantities.

Fig. 21.

Fig. 1

M. & S. FARM AND GARDEN TOOLS

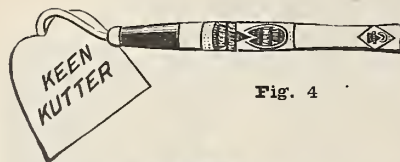


Fig. 4

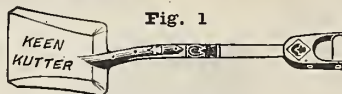


Fig. 1

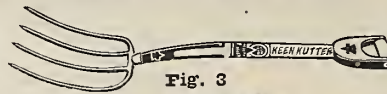


Fig. 3



Fig. 9



Fig. DE 38

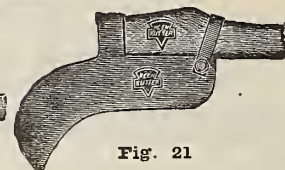


Fig. 21



Fig. 8

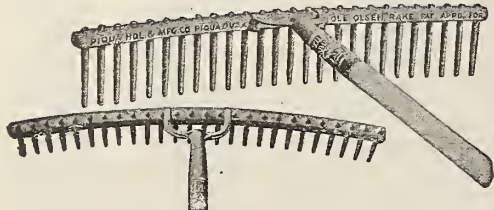


Fig. 13

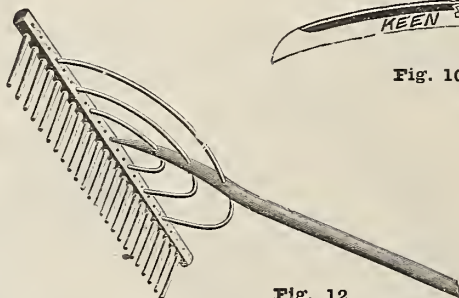


Fig. 12

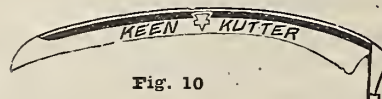


Fig. 10

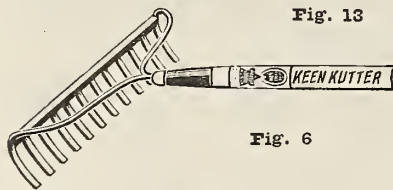


Fig. 6

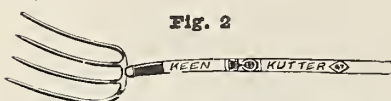


Fig. 2



Fig. 16

Garden Tools, Shovels, Rakes, Etc.

Keen Kutter Round Point Long Handle Shovels—\$2.25.
Keen Kutter Square Point D Handle Shovels, No. 3—\$2.25.
Fig. 1.
Keen Kutter D Handle Spade—\$2.25. Fig. 22.
Keen Kutter Long Handle Spade—\$2.50.
D Handle Nursery Spade—Double straps entire length of handle, \$4.50.

"KEEN KUTTER" FORKS

3-tined Hay Fork—\$1.75.
4-tined Hay and Manure—Long handle, \$1.75. Fig. 2.
4-tined Manure—D handle, \$1.75. Fig. 3. Heavy Fork, \$2.50.
4-tined Spading Fork—D handle, \$2.00.
"Keen Kutter" Hoes—Fig. 4. Crucible steel, 6½ and 7½ in., \$1.25; 1-pronged, weeding hoe, 60c; 2-pronged, 70c.
K. K. Eye Hoe—7½-inch blade, \$1.50, including handle.
"Keen Kutter" Pick—Fig. 9. Price, \$1.50; with handle, \$1.90.
"Keen Kutter" Mattock—Price, \$1.50; with handle, \$1.90.
Grub Hoe, or Mattock—Price, \$1.25; with handle, \$1.75.
One-Piece Grubbing Hoe—Extra strong, true tempered steel. Fig. No. DE 38, \$1.50.
Mattock Hoe—Without handle, \$1.25.
Keen Kutter Cultivator Hoe—See Fig. 16. Price, \$1.50.
Mattock and Pick Handles—Price, 40c.
English Scuffle Hoe—6 in. 90c. No handle. Handle, 35c extra.
"Keen Kutter" Ladies' and Children's Garden Tool Set—Fig. 8. Consisting of rake, shovel, hoe and spading fork. Made of first-class material. Not toys, but tools that will do and stand the work. Price, \$3.00. Single tools: Shovel, 90c; Rake, 60c; Hoe, 75c; Spading Fork, \$1.00.
Planet Jr. Edger, No. 2—Fig. 18. Made of best material, extremely simple and easy to operate. Price, \$2.00, postpaid.

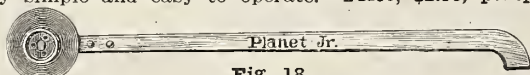


Fig. 18

"Keen Kutter" Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11. See foot rest.
"Keen Kutter" Rake—Bow Pattern. Fig. 6. 14-tooth, \$1.50. Regular pattern 16-tooth, \$1.25.
"Queen" Lawn Rake—With handle, 24 teeth, 75c; 36 teeth, \$1.50.
"Ole Olsen" Lawn Rake—All wood. 26 teeth, hickory wood, with handle, \$1.00; less handle, 75c. Fig. 13.
Wood Leaf Rake—Reinforced with 3 heavy wire bows, has 24 teeth. Price, \$1.25. Fig. 12.
Yamade, Nature's Wonder Rake—Works like the human hand, is flexible, adjustable, invincible. Saves time, energy and labor. Removes worms and worm casts from Putting Greens. Highly recommended for cleaning lawns, gravel walks and driveways of crab grass, leaves, etc. Price, \$1.50.



Fig. 11



Fig. 22

Potato Hook, or 4-pronged Hoe—Price, \$1.25.
"Keen Kutter" Bush Hook—Fig. 21. Made of the best material. Price, \$2.00.
Grass Scythes—30, 32 and 34 inches long. Price, \$2.00.
Weed and Bush Scythes—18, 22, 24, 28 inches long. Price, \$2.00.
Snathes—Light and heavy. Price, \$1.75.
American Talacre Stones—25c each.
Whetstones—Carborundum, 35c.
"Keen Kutter" Ax—Guaranteed article. \$2.25.
K. K. Hatchets—Half Pattern. Best quality. Each, \$1.75.
Special Price to Florists and Gardeners.

Norcross Cultivators and Weeders

These are the most modern tools for garden and flowers. They are light and strong and cultivate closer to plants without injuring them than other kinds of implements, leaving the soil level, loose and untrampled. Detachable Steel Prongs. Malleable Head. Extra High-Grade Handles. Fig. 14.

The "Norcross" line is of the highest quality and finish throughout.

Three sizes and prices: 5-pronged, 4 ft. handle, \$1.00; 3-pronged, 4 ft. handle, 75c; "Midget," 9 in. handle, 40c. Weight, 3 lbs., 2 lbs., 12 oz.

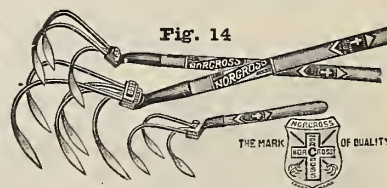


Fig. 14

PLANET JR. FARM AND GARDEN TOOLS

Are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.

Planet Jr. No. 4 Combined Seeder and Cultivator

This tool combines in a single implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 inches apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. Price, \$21.50.

No. 4-D (As a Seeder only), \$17.00.

No. 25 Combined Seeder, Double and Single Wheel Hoe

As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price, \$26.00.

No. 20-D Fertilizer Drill

Saves Fertilizer. Don't waste it by broadcasting before seeds are planted, but sow a portion of it when you sow your seed, and when, when the crop is up, hurry it along by side-dressing with a quick-acting fertilizer, and use the No. 20-D Fertilizer Drill to distribute it. This method will produce crops quicker, and they will be more tender and bring better prices.

Use good fertilizer economically and feed it to the plants when they need it most with a Planet Jr. No. 20-D Fertilizer Drill. Price, \$33.00.

No. 33 Planet Jr. Single Wheel Hoe

Just the thing for the family garden. Young or old will find in this tool a light-running wheel hoe that will save them hard work and help much to supply the table with fine vegetables, can be operated by a lady or child with ease. All complete like illustration. Price, \$6.00.

72-PAGE PLANET CATALOGUE FREE

Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

Star Pulverizer, Weeder and Cultivator

An improvement over the old style pulverizer. 50% lighter and very easy to handle. The star discs break up the soil and the oscillating blade—which works forward and backward—pulverizes and levels the soil, and at the same time cuts off the weeds directly beneath the surface. Can be used right after a rain to cultivate and will not leave the ground in a lumpy condition.

Price, \$4.50.

Planet Jr. No. 12 Double Wheel Hoe

A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy steel spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price, \$13.00.

No. 11 PLANET JR.—Like the above, but in addition has one pair 4½ inch hoes, two 3-tooth rakes and two 5-tooth rakes. Price, \$16.75.

No. 13 PLANET JR.—Only equipped with one pair of 6-inch hoes. Price, \$9.25. The No. 12 is the most popular tool.

Planet Jr. No. 16 Single Wheel Hoe

These single wheel hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do. Nos. 16 and 17 have the same steel wheels, frames and handles, but the attachments sold with each vary. The handles are adjustable in height. The frame is steel, convenient and

No. 16 Single Wheel Hoe.

strong with a simple device by which to exchange the tools without removing the nuts. All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm. Price, \$10.75.

No. 17 Single Wheel Hoe.

Planet Jr. No. 17 Single Wheel Hoe. Price, \$9.00.

No. 17½ PLANET JR.—Same as No. 17, but has no plow, but in addition has a leaf lifter. Price, \$8.25.

No. 18 PLANET JR.—Only equipped with one pair 6-in. hoes. Price, \$7.00.

No. 119 Planet Jr. Garden Plow and Cultivator

This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24-inch wheel 1½ inch wide. The plow is very strong, the cultivator tooth is good and wide, the 3-pronged Cultivator is excellent for breaking of the soil, the center tooth of same is removable, the scuffle hoe fine for weed cutting and the handles very strong and adjustable to suit adult or child.

Price, complete, \$5.80.

"Firefly" Garden Plow

Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards.

Price, \$4.75.

PLANET JR. FARM AND GARDEN TOOLS

Juvenile Garden Cultivator

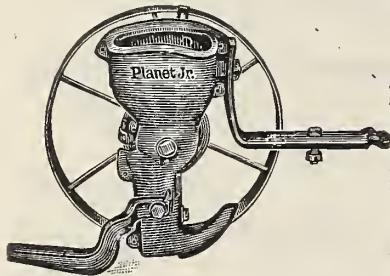
Here is the tool that many an ambitious boy and girl have wanted for some time. It enables them to follow that natural inclination to imitate their parents in the garden work, at the same time teaching them a useful work, which will instill in them that spirit of industry and produce sturdy, healthy constitutions that will mean so much to them throughout life. Designed after the Planet Jr. Single Wheel Hoe, made of the same high-grade material, and just the proper size for the youngster six to sixteen years of age. Comes equipped with three steel cultivator teeth. Other attachments can be added.



Price, \$4.50.

The Planet Seeder Attachment No. 35

Will pay for itself in a short time because it saves seed by sowing accurately. Sowing by hand wastes seed. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. It will drill a 5-cent package of seed just as accurately as a larger amount. The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired and the cover swings free.



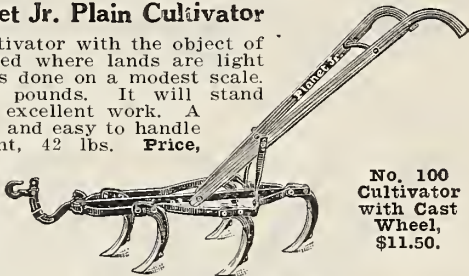
Attaches to any Planet Jr. Hand Cultivator. Sent postpaid. Price, \$7.00.

Planet Jr. One-Horse Cultivators and Harrows

No. 100-D Planet Jr. Plain Cultivator

We offer this cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. It weighs but 42 pounds. It will stand hard usage and do excellent work. A steady running tool and easy to handle and adjust. Weight, 42 lbs. Price, \$8.00.

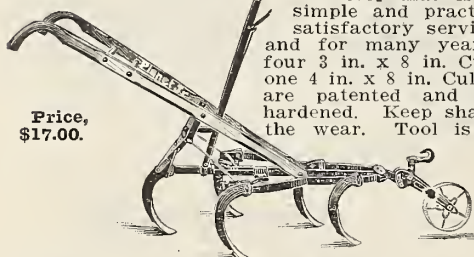
No. 4 PLANET JR. PLAIN FIVE-TOOTH CULTIVATOR—This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with steel wheel, \$14.00; without wheel, \$11.50.



No. 100 Cultivator with Cast Wheel,
\$11.50.

No. 9 Planet Jr. Plain Cultivator

A tool that is light and strong, simple and practical, and will give satisfactory service year after year, and for many years. Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel, which are patented and beveled; especially hardened. Keep sharp and add 50% to the wear. Tool is adjustable to any useful width by use of the lever expander, and every part is perfected to make the tool acceptable to the farmer who does not want to have to buy a cultivator every few years.



Price,
\$17.00.

No. 9-D Plain Cultivator

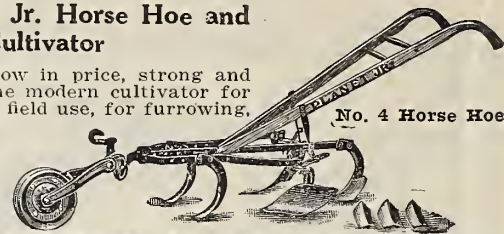
Same as the No. 9, except that it does not include the wheel, but has all the other equipment, including the lever expander. Price, \$14.50.

72-PAGE PLANET CATALOGUE FREE

Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

No. 4 Planet Jr. Horse Hoe and Cultivator

This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. Price, with steel wheel, \$17.00; without wheel, \$14.50.



No. 9 PLANET JR. HORSE HOE AND CULTIVATOR—Identical with the above, but has lever expander. Price, with steel wheel, \$18.75; without wheel, \$16.25.

No. 7 PLANET JR. HORSE HOE AND CULTIVATOR—Same tool as No. 4 and No. 9, but is also equipped with depth regulating level wheel. Price, \$20.50.

Planet Jr. Twelve-Tooth Harrow Cultivator and Pulverizer

No. 90, complete, \$21.50;
No. 90-B, without pulverizer, \$17.75; No. 90-D, without pulverizer or wheel, \$14.00.

The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inch. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.

Planet Jr. Cultivator Teeth.

1 1/4 x 8 in. Steels	.....\$0.18	1 1/4 x 10 in. Steels	.....\$0.23
1 3/4 x 8 in. Steels	......22	1 3/4 x 10 in. Steels	......26
2 1/4 x 8 in. Steels	......25	2 1/4 x 10 in. Steels	......30
3 x 8 in. Steels	......28	3 x 10 in. Steels	......35
4 x 8 in. Steels	......34	4 x 10 in. Steels	......42

"Planet Jr." 7-inch Hind Shovel, 42c; "Planet Jr." 8-inch Hind Shovel, 46c.

Single, Double and Triple Trees

Made of White Oak, painted. 26- and 28-inch single tree, \$1.30; 30-inch, \$1.50; 36-inch double trees, \$1.60; 3-horse eveners, \$3.00; open links, 25c each.

U-Bar Steel Double and Single Tree, complete. 36" Double and 28" Single Trees, \$3.00 per set.

Oliver Pattern Wood and Steel Beam Plows

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards	Wood Beams
No. A	.....\$ 9.25	\$ 9.75	\$0.40	\$0.50	\$0.60	\$2.00	\$2.75
No. B	.....10.50	10.50	.45	.....	.90	2.75	3.00
No. 10	.....14.00	14.00	.60	.75	.90	3.00	3.00
No. 13	.....15.50	15.50	.70	.85	1.20	3.75	3.25
No. 19	.....17.25	17.25	.75	.90	1.30	4.00	3.65
No. 20	.....17.50	17.50	.85	1.00	1.30	4.50	3.90
No. E	.....19.00	.....	.85	1.00	1.30	4.75	4.10
No. 40	.....19.00	19.00	.90	1.05	1.50	4.75	4.35

In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, \$2.00; Jointer, complete, \$4.50; Steel Beam Jointer, \$4.50. State if Wood or Steel Beam.

MOON ROLLING COULTERS—8 in. \$5.00; 10 in. \$6.00; 12 in. \$7.00.

Handles, complete, for Wood Beam, A to 10, \$1.85; 13, \$2.00; 19 to 40, \$2.50.

Single Handles, 75c. Rounds, 20c a pair.

Bolts for Mouldboard, Landside, Shares and Jointers, 5c each. We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished upon application.

SHOVEL PLOWS

Single Shovel Plow, \$4.50. Double Shovel Plow, \$5.00. Triple Shovel Plow, \$7.25. Blades for same, 16c lb.

M. & S. HAND SEEDERS AND MISCELLANEOUS SUPPLIES

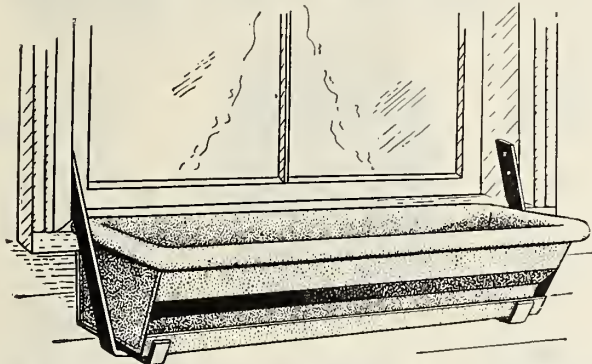
M. & S. Success Self-Watering Window Boxes

The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

The Success Box is made with a water pocket on one side at the bottom. This pocket runs the full length of the box. Leading from it, into the box itself, are openings to convey the water to the soil. To prevent these openings from clogging up a roof-shaped piece of metal extends from the pocket openings to the center of the box, at the bottom.

The pocket is simply filled with water and the soil takes it up. Or, water is poured in the usual way on the top of the soil and the pocket takes care of the surplus. The water outlet also forms an air inlet, conveying the air to the center of the soil, where it distributes to every part.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.



The top edges have an attractive rolled finish. They are made in a number of lengths to suit different places and purposes, and may be equipped with brackets for securely fastening them to window sills or hanging below them, also to porch rails.

Length, Inches.	Width, Inches.	Depth, Inches.	Weight, Pounds.	Each.
24	8 1/2	6 1/4	6	\$1.75
30	8 1/2	6 1/4	7	2.00
36	8 1/2	6 1/4	8	2.85
42	8 1/2	6 1/4	10	3.75
12	12	8 1/4	5	2.25

Brackets for Window Boxes	Per Pair.	Pounds.
No. 1—For setting on sill.....	\$0.80	3
No. 2—For hanging under sill.....	1.00	3
No. 3—For the porch rail.....	.50	1

Pop Corn

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice—Lb. 10c. Special price in quantity.



Sheet-Iron Corn Popper

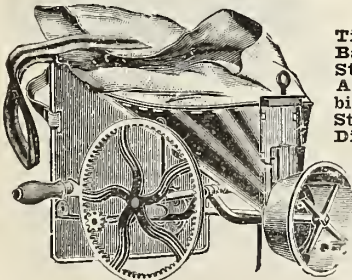
Parcel Post weight, 2 pounds. Price 50c.

M. & S. All Wire Corn Popper—Capacity 1 qt. 25c. Parcel Post weight, 1 lb.

Cahoon's Broadcast Seed Sower

For sowing Grasses, Clover, Timothy, Millet, Oats, Wheat, Barley, Rye, Buckwheat, etc. Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate Brass Discharger.

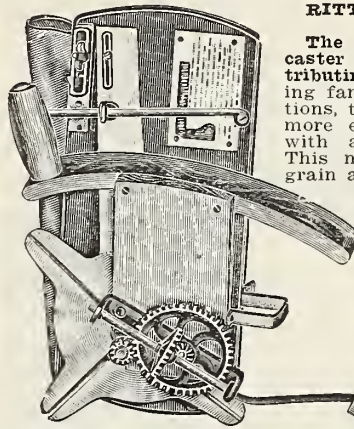
The breadth of the cast will be according to the weight of the seed. Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet. Barley, 27 to 33 feet. Clover, Millet, 20 to 24 feet. Timothy, 15 to 18 feet. Price, \$5.00, postpaid.



Grass and Clover Seed Sowers

RITTENHOUSE DOUBLE FAN SEEDER No. 3.

The most efficient hand broadcaster ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a lifetime. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price, \$1.75, postpaid.



SEGMENT CORN PLANTER—Sliding Feed. Price \$2.50. Parcel Post weight, 6 lbs.
Picking Baskets—1/2 bushel size, 45c each.
White Oak Baskets—Side handled, 1 bushel \$1.40.

Splint or Chip Baskets—With handle, 1/4 bu. size, 15c; 1/2 bu. size, 20c.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. For quantities write for price.

Strawberry Boxes—1 qt. size, 10c doz.; per 100, 75c. Per 1,000, prices furnished on application.

Asparagus Buncher—See page 4.

Trace Chains—7 ft., straight link, hook or ring. Price \$1.75 pair. No. 2 cheaper grade \$1.50.

Cow Chains—Tieing out, No. 1 20 ft. 60c; No. 00 heavier grade 20 ft. 75c; No. 00 30 ft. \$1.00; Stable ties, 4 1/2 ft., price 50c.

Back Bands—Cotton duck with snaps 42 in. 75c each; Same with Loop 90c each.

Rittenhouse Mole Trap

Fig. 21

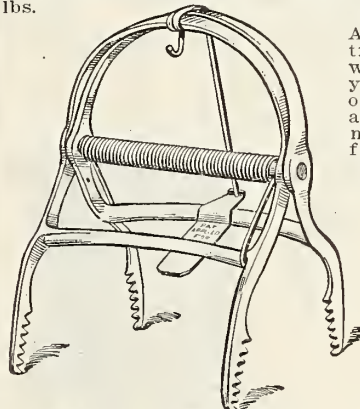
The simplest, safest and surest mole trap ever invented. Self-setting. Price, \$1.00, postpaid.

REDDICK MOLE TRAP—Will get the mole every time. Price, \$1.25, postpaid.

Out-o'-Sight Mole Traps

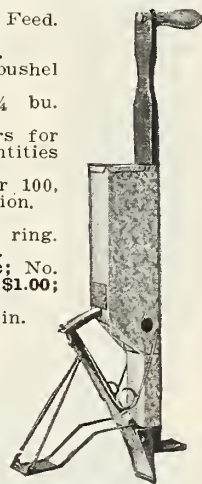
The most complete in existence. \$1.25 each; doz. \$13.50. Parcel Post weight, 3 lbs.

MOLO—A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c, postpaid.



M. & S. Tin Horn Seeder

Will sow 60 acres per day of clover, timothy, millet, alfalfa, etc. Price, 75c, postpaid.



Segment Corn Planter

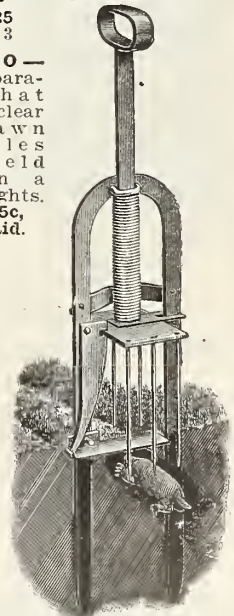


Fig. 21.



Fig. 6

CALF MEAL—The best milk substitute. 1 lb. 8c; 25 lbs. 75c; 50 lbs. \$3.25; 100 lbs. \$6.50.

E-Z-BOS COW SPRAY AND LICE KILLER—E-Z-Bos kills flies and keeps them off all day. E-Z-Bos is a stainless oil. It will not discolor or mat the hair. It actually does kill! Flies drop to the floor dead. Lice die in their tracks. No fly too big. No fly too small. E-Z-Bos gets them all. Once tried always used. Satisfaction or money refunded. Price, 1 gal. \$1.65; 2 qts. \$1.00.



PRATT'S ANIMAL REGULATOR is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion. Pkg. 25c, 50c and \$1.00; 12-lb. pail, \$2.15; 25-lb. pail, \$3.40; 50-lb. drum, \$5.35; 100-lb. drum, \$11.40.

***PRATT'S WORM POWDER**—For destroying worms in horses, cows, hogs and sheep. Box 50c. Weight, 1 lb.

***PRATT'S LINIMENT**—For man or beast. Bottle \$35c and 75c. Liquid.

PRATT'S HEALING OINTMENT—For man or beast. Box 30 and 60c. Parcel Post weight, 1 lb. each.

***PRATT'S HEALING POWDER**—For harness galls. 30c. Parcel Post wt. 1 lb.

***PRATT'S VETERINARY COLIC REMEDY**—Bottles 60c and \$1.20. Express only.

***PRATT'S DISTEMPER AND PINK EYE REMEDY**—Bottle 70c. Express only.

***PRATT'S HEAVE COUGH AND COLD REMEDY**—Price 50c. Parcel Post wt. 1 lb.

***PRATT'S COW TONIC**—Pkg. 50c and \$1.00; 12-lb. pail, \$2.50; 20-lb. pail, \$4.50.

***PRATT'S BAG OINTMENT**—35c and 70c, postpaid.

***PRATT'S HOG TONIC**—Pkg. 50c and \$1.00; also in 25, 50 and 100-lb. bags. Price \$2.75, \$5.00 and \$9.50, respectively.

BITTER LICK—For horses and cattle of all kinds. Price of brick, 35c.

HOLDERS FOR BITTER LICK BRICK—Made of iron and japanned black. 30c each.

Wagner Fruit Press

Simple in construction. Efficient in their work.

Size.	Price.
2 quarts	\$4.00
4 quarts	5.00
6 quarts	5.75
8 quarts	6.50



8 Quarts

Juicy Fruit Press

A wonderful press for Fruits, Grapes, Lard, Jellies, etc.

Special Feature—All parts coming in contact with Fruit Juices are tinned with **Pure Block Tin**.

Press must be seen to be appreciated as it is in a class by itself.

Size.	Price.
3 quarts (Fig. 1.).....	\$5.25
6 quarts	6.50
8 quarts (with stand).....	8.00



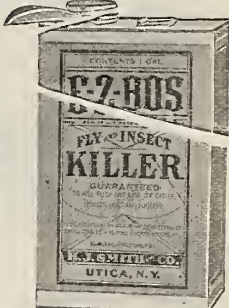
Fig. 1

RICE'S CALF WEANER—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 40c; No. 2, for heifers, 65c; No. 3, for cows, \$1.00; postpaid.

BULL RINGS—Copper, 40c apiece. 3 inch. Postpaid.

BAG BALM—For all diseases of the cow's udder and teats there is no remedy so quick and certain in its curative powers as Bag Balm. 60c, postpaid.

KOW-KARE—Valuable for run-down cows. 65c and \$1.25, postpaid.



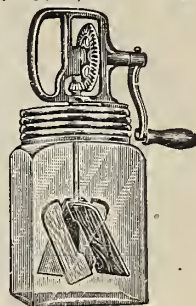
Brooms and Brushes

Plain Corn Brooms, extra quality..\$1.00
Bass Push Broom, 14 inches. (See cut) 1.25
Handles for Push Brooms, 25c each.

Dazey Glass Family Churn

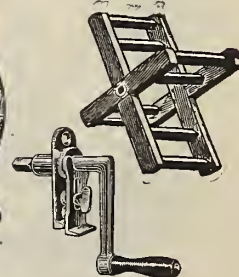
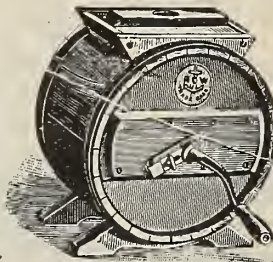
Fig. 2. Easy running, easy to clean, produces the finest butter that can be made.

No. 20G, churning 1 qt. \$2.00; No. 30G, 1½ qts. \$2.25; No. 40G, 2 qts. \$3.00. Add 25c each size if to be sent by Parcel Post.



IMPROVED CEDAR WOOD CYLINDER CHURN

- No. 1—3 gal. \$3.50.
- No. 2—4 gal. \$4.25.
- No. 3—7 gal. \$5.00.
- No. 4—10½ gal. \$5.50.



Baltimore Pattern Hand-Made Butter Print

This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. ½ lb. Special Prints, carved with Initials, on application.

SEELEY PATTERN BUTTER PRINTER

Furnished with sheaf of wheat. Movable block. ½ lb. 75c. Weight, 1 lb. 1 lb. 90c. Weight, 2 lbs.

PARCHMENT BUTTER PAPER—Cut for pound and half-pound prints. Price, 35c lb. Special price on quantities.

WELLS, RICHARDSON & CO.'S BUTTER COLOR—The best butter color on the market. Small bottle, colors 500 lbs. large bottles, 75c and \$1.40.

FLOATING DAIRY THERMOMETER—30c; postpaid, 35c. Prices Subject to Change Without Notice.

Thrift Jars

Lighten labor, save time and prevent spoilage. They are easily sealed before processing and the seal is tight and permanent.

Price List

- No. 33—Quarts with caps, \$1.40 per doz.
- No. 32—19 oz. with caps, \$1.15 per doz.
- No. 3—Sealer, \$2.50 each.
- No. 3—P Caps, box of 6 dozen, \$2.15.



Grape Protecting Bags



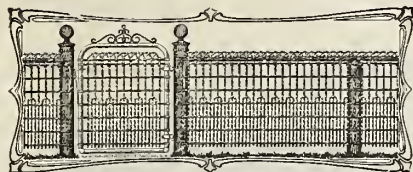
If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will save from insects, rot, birds, etc. All ready to fasten. No. 2 the right size for our domestic grapes. Price, 10c doz.; 50c 100; \$4.25 1,000. Prices on larger bags on application.

Parcel Post weight, 2 lbs. per 100; 15 lbs. per 1,000.

Bag all grapes to keep them from insect stings.

CYCLONE AND AMERICAN SANITARY WIRE FENCING

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



Style F Cyclone Fence

Price per lineal foot, Style "F," 36 in., 16c; 42 in., 18c; 48 in., 20c; 60 in., 27c. Full 10 or 20 Rod Rolls less 10%. Three-foot Ornamental Walk Gates to match; first three heights of fence, \$4.25 each. 3½ ft. 5% and 4 ft. opening 10% higher.

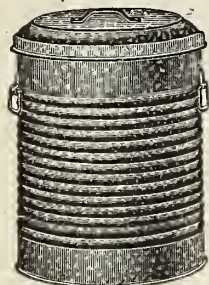
Universal Walk Gate

Made of heavy high carbon steel tubing, non-breakable frame with Style "F," chicken-tight fabric; hinges and latch to hang to wood posts. Height, 36 in., 42 in. and 48 in. Three-foot opening. Price, \$3.00, \$3.25 and \$3.75. 3½ ft. 5%, and 4-ft. opening 10% higher.

Drive Gates

Single Ornamental Drive Gates 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$8.50, \$9.50 and \$11.50.

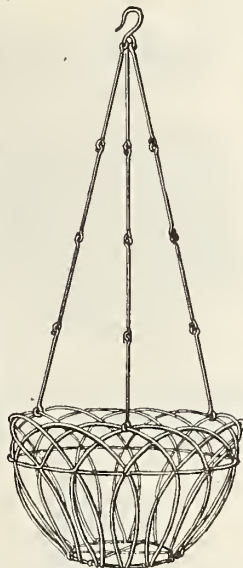
Double Ornamental Drive Gates, 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$9.50, \$11.50 and \$12.50.



Storage or Ash Can

Galvanized, deep cover, rat and damp roof. Excellent for storing grain or dry mash. No. 77, capacity, 2½ bu.

Price, \$2.50.

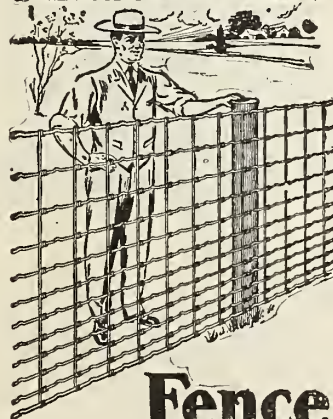


Wire Hanging Baskets

Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets, 8-in., 25c; 10-in., 35c; 12-in., 45c. Parcel Post weight, 2 lbs. each.

American



Fence

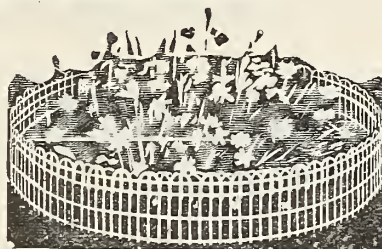
Posthole Digger

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets, 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter. Price, \$2.25.



"Keen Kutter" Posthole Digger

Style "F" is our most popular sanitary wire fence. Pickets are all No. 9 heavily galvanized wire spaced 1½ inches apart at bottom, 2½ inches at top, making fence absolutely chicken tight. Regular heights are 36 inches, 42 inches and 48 inches and 60 inches.



Perfection Flower-Bed Border

Fits any shape or size of flower-bed. No posts required. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Style single. Price, per lineal ft., 18 in., 12c; 24 in., 14c; 30 in., 16c.

Wire Trellis

Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Style single. Price, per lineal ft., 18 in., 12c; 24 in., 14c; 30 in., 16c.



FIG. 1

Rubbish Consumers

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

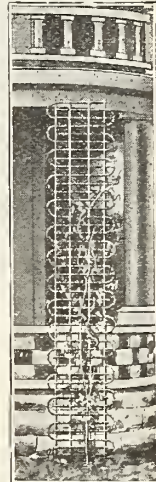


FIG. 2

No. 2—Height, 17 in.; diameter, 17 in.; weight, 7 lbs. Price, \$1.75
No. 2½—Height, 20 in.; diameter, 20 in.; wgt., 9 lbs. Price, 2.25

Diamond Mesh Poultry Netting

Put up in rolls of 150 running feet. Galvanized after weaving.

	2 in. No. 20. 1 in. No. 20.	Wire.
1 foot	\$1.35	\$3.10
18 inch	2.00	4.50
24 inch	2.50	5.70
36 inch	3.40	6.90
48 inch	4.50	10.50
60 inch	5.60	13.00
72 inch	6.75	15.50

2 inch less than roll lots 1½c square ft.; 1 inch, 3½c. Price subject to change without notice.

Poultry Wire Staples, 10c per lb. Prices on all kinds of wire and steel goods subject to change without notice.

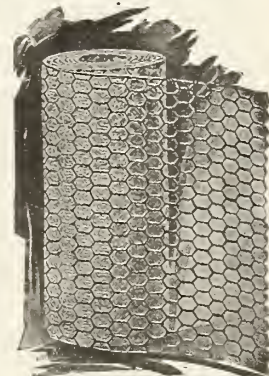


Illustration of 2-inch Diamond Mesh Poultry Wire

Galvanized Steel Fence Posts

CHEAPER THAN WOOD AND MORE DURABLE—Galvanized Inside and Out

	Length—Feet.	Approx. Wgt.—Lbs.	Price.
Line Post	6	8.4	\$.70
Line Post	7	10.	.80
Line Post	8	11.4	.95
10 End Post	7	51.	4.00
10 End Post	8	59.	5.00
10 Corner Post	7	75.	6.50
10 Corner Post	8	86.	7.00
Ball Tops for Line Posts.....			.30
Ball Tops for End and Corner Posts.....			.50
Driving Caps for Line Posts.....			.55



American Galvanized Steel Fence Post.

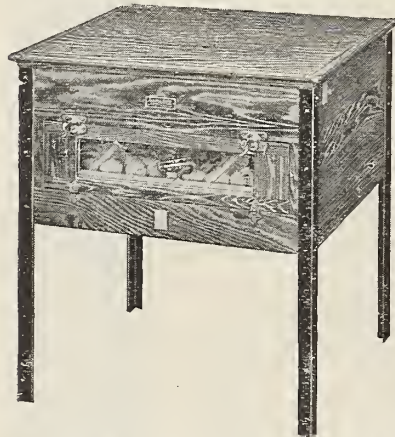
M. & S. POULTRY DEPARTMENT

We carry everything in the line of Poultry Accessories and we cheerfully give free advice how to raise Poultry profitably. M. & S. Wonder Bred Chicks during February, March, April, May, and June (see back inside cover page).

Lectro-hatch

ELECTRIC INCUBATORS

Use a Lectro-Hatch Electric Incubator and say good-bye to work and worry in hatching. It eliminates the watching of lamps or stoves and automatically holds the heat at the desired tem-



perature throughout the hatching period. Its steady, even heat, pure air and perfect ventilation mean more and better chicks. You avoid all danger from fire or explosion with a Lectro-Hatch.

Even Heat, Pure Air.

Electric hatching has been pronounced superior by leading poultrymen and the foremost poultry experts because it insures even heat without continual watching. There is no smoke or gas to stunt or kill the embryo chicks. You have additional assurance of a continuous supply of fresh air because the electric controller box in the incubator creates ozone

or oxygen, which is the life-giving element in air.

With the Lectro-Hatch it is not unusual to get chicks from more than 75 per cent of the fertile eggs. Lectro-Hatch users say their chicks are as strong and sturdy on the first day as ordinary chicks from four days to a week old. Because of perfectly normal development in the shell electrically hatched chicks are less subject to baby chick diseases.

Easy to Operate.

A Lectro-Hatch Incubator can be run from any kind of electric. You do not have to know anything about electricity to run it. First you attach the incubator cord to an electric light socket. Then you adjust the machine to hold hatching temperature by giving one or two turns to a small thumb nut. That's all there is to it. After you make the first temperature adjustment the Regulator, which is an exclusive feature in Lectro-Hatch Incubators, watches the temperature for you.

Lectro-Hatch Price List.

65-egg capacity, \$23.00; 150-egg, \$38.50; 300-egg, \$68.75; 600-egg, \$123.50. When ordering state voltage.

The 600-egg size is used also as a sectional unit in a mammoth hatchery and can be arranged in decks or in series to suit the needs of any plant. Write us for special information on Lectro-Hatch equipment for mammoth hatcheries.

Lectro-Hatch Electric Incubator Elements

Lectro-Hatch Elements are specially made by electrical experts to exactly fit your Incubator according to specification. When ordering give us the following information: Make of Incubator, Egg Capacity, Shape of Incubator (Round, Square or Oblong), Length of Top Wall or Lid (Inside), Width of Top Wall or Lid (Inside), Thickness of the Top Wall or Lid, Depth of Egg Chamber (Distance inside from Lid to Egg-Tray), Voltage Electric Power to be used. Prices: Any size Incubator up to 150-egg Capacity, \$12.50; Over 150 and less than 400-Egg Capacity, \$15.00, postpaid.

Lectro-hatch Electric Brooder

Just turn an electric socket button and the Lectro-Hatch Brooder begins to warm up. Same device to maintain constant, even heat as in Lectro-Hatch Electric Incubators. No danger of overheating or fire. No lamps to fill, no stoves to tend, no ashes to carry out. No muss or dirt. Lectro-Hatch Brooders really cost less to operate than other style brooders.

Price: 28 inch diameter, 150 chick capacity, \$18.75; 40 inch diameter, 500-chick, \$25.00. When ordering, state voltage.

IF IN THE MARKET FOR A MAMMOTH INCUBATOR, SEND FOR CATALOG.

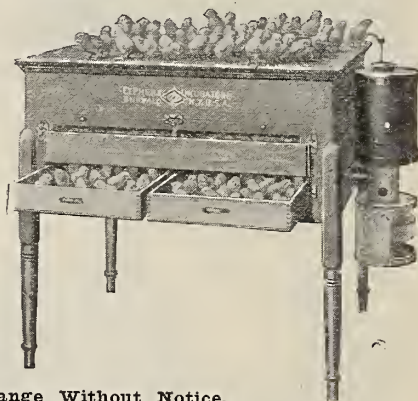


Standard Cyphers Incubators

CYPHERS INCUBATORS are built to hatch and to last. With proper care—the same care you would give a valuable piece of household furniture—a Standard Cyphers will last an ordinary lifetime. They are guaranteed by us to last ten years without repairs. We make this guarantee because they have lasted much longer than this—and are still doing first-class work.

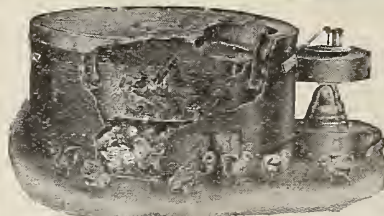
Prices:
No. 1—144 Eggs, 42.00
No. 2—244 Eggs, 56.00
No. 3—390 Eggs, 69.00

Prices Subject to Change Without Notice.



Simplicity Incubators

"HAVE NO COLD CORNERS"



Yes, sir! Cold corners and cold side walls in old style incubators don't give your eggs a fair chance! If five eggs out of every hundred don't get proper heat it means an appalling loss to poultry raisers each year! A loss of time—valuable hatching eggs—high-priced oil—and of poultry that is needed so badly for food!

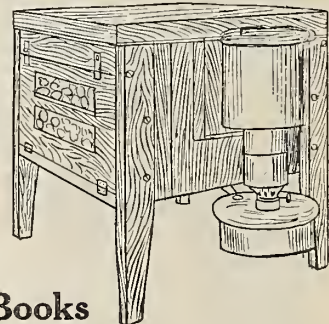
This loss is entirely unnecessary! **Simplicity Incubators** have no cold corners or cold side walls! Side walls are actually heated. The big circular hot-water radiator entirely surrounds egg chamber! Heats from side walls to center! That's why EVERY EGG has a chance! That's why it is both the **CHEAPEST AND BEST INCUBATOR** you can buy!

100-Egg Simplicity Incubator, copper tank\$17.50

The Peepy Gem Incubator

This is a low-priced machine which has met with success by thousands of operators. Double walled, cypress wood, double glass door, removable nursery. Heated by patented hot-water system. Complete with lamp, thermometer, egg tester, egg tray and full directions.

Capacity, 50 eggs.
Price, \$12.00, postpaid.



Practical Poultry Books

ALL POSTPAID.

The Campines	\$.75	Profitable Culling and	
The Orpington .....	.75	Selective Flock Breeding	1.50
Rhode Island Reds.....	.75	How to Feed Poultry for	
Successful Back Yard		Any Purpose With Profit	1.25
Poultry Keeping	1.00	The Fundamentals of	
Artificial Incubating and		Poultry Breeding	2.00
Brooding	1.00	A to Z of Pigeons.....	.75
The Plymouth Rocks,		Rabbit Culture and Stan-	
Wyandottes, Leghorns,		dard .....	.50
each	1.00	Town Lot Poultry Keeping	.50
Asiatics .....	.50	The Standard Book of Per-	
Poultry House and Fix-		fection—Everybody who raises	
tures	1.00	poultry should have one of	
Chick Book .....	.50	these books. Price, \$2.75.	
Turkeys, Their Care and		Reliable Poultry Journal —	
Management .....	.75	A monthly practical poultry	
Use of Artificial Light to		magazine; one year's subscrip-	
Increase Winter Egg		tion, \$1.00.	
Production	1.50	Poultry Item—Yearly sub-	
		scription, \$1.00.	

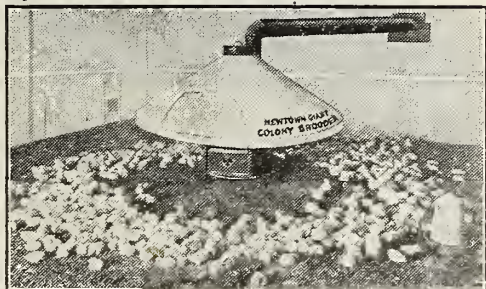
THE BEST BLUE FLAME & COAL STOVES OF THE DAY

Newtown Giant Colony Brooder

Simplest, THE ONE PERFECT BROODER

Safest
and
Most
Economical

It has thoroughly demonstrated its right to be called "The One Perfect Brooder" and is justly claimed to be superior to any Colony Brooder on the market.

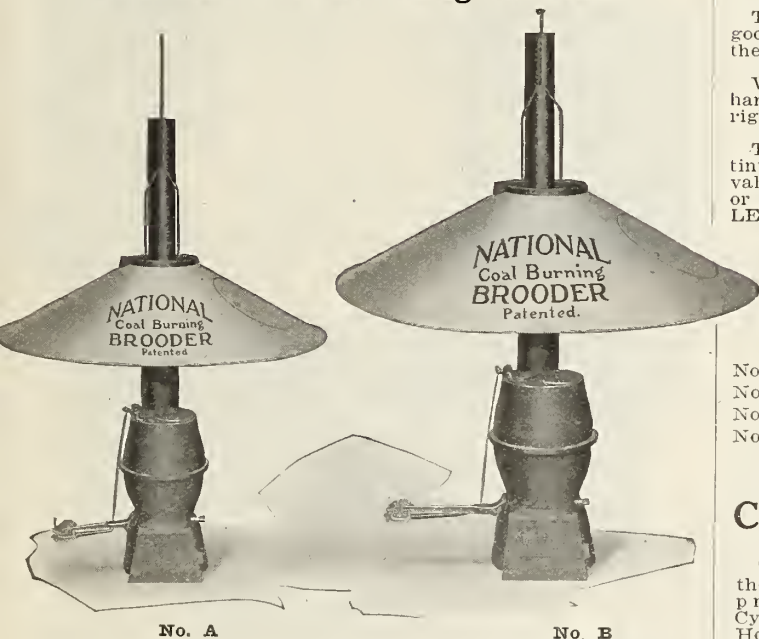


Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment—it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtowns are in successful operation than all other makes of coal-burning Colony Brooders combined.

Size No. 6—Capacity, 200 to 300.....	\$22.50
Size No. 7—Capacity, 200 up to 400.....	25.00
Size No. 11—Capacity, 500 chicks or less.....	32.50
Size No. 12—Capacity, 1,000 chicks or less.....	40.00

Send for Descriptive Catalogue.

National Coal Burning Brooder



No. A

No. B

The National can be operated in any room, outbuilding, or coop and will care for chicks until ready for the colony house. The National is absolutely self-regulating and will hold a continuous fire without danger of overheating or going out. The thermostatic control of the National governs the heat in all kinds of weather.

No. A—Capacity up to 500 chicks, \$21.50.

Height of stove, 21½ in.; diameter of grate, 8¼ in.; diameter of base, 12 in.; diameter of canopy, 42 in. Stove equipped with Rocker Grate, Self-Cleaning and will not clog. Equipment includes Rope and Pulleys for Canopy. Weight—crated for shipment, 80 pounds.

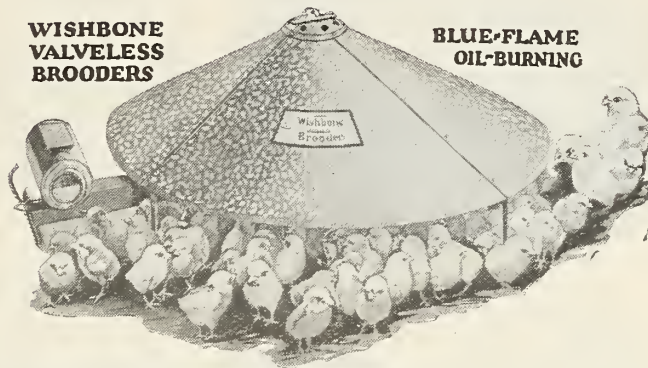
No. B—Capacity up to 1,000 chicks, \$26.50.

Height of stove, 23 in.; diameter of grate, 9 in.; diameter of base, 13¼ in.; diameter of canopy, 52 in. Stove equipped with Rocker Grate, Self-Cleaning and will not clog. Equipment includes Rope and Pulleys for Canopy. Weight—crated for shipment, 100 pounds.

The Best Way to Raise Chickens

WISHBONE
VALVELESS
BROODERS

BLUE-FLAME
OIL-BURNING



Blue Flame Oil Burner is the Chicks Best Friend; it has no valves to stick, no strainer to clog, no thermostat to go wrong.

Everybody who raises chickens should own a Wishbone Valveless Blue-Flame Brooder. The Wishbone is the most perfect means of caring for chickens that ever has been invented. It eliminates all mess, worry and trouble. It gives a hot blue flame in a jiffy without priming or pre-heating. It raises most chicks. It raises healthier chicks. Therefore, you are bound to make more money out of your chicks.

The Wishbone Valveless Brooder is as simple to operate as a good cook stove. It consists of only four main parts—the tank, the burner, the oil pipe and the hover.

When you want to light the brooder you turn the adjusting handle and touch a match to the burner. A hot blue flame shoots right up. No priming. No pre-heating.

The oil flows down the big half-inch oil pipe as surely and continuously as it would flow through a funnel. And there isn't a valve or thermostat or strainer in the entire brooder to go wrong or start trouble. THE WISHBONE IS THE ONLY VALVELESS BROODER. Can be sent by parcel post.

Simple, Efficient, New and Different. Sizes and prices. Hover comes in sections with bolts and legs to fasten together.

Heater part completely assembled. All packed in one light, strong crate. Operating Instructions packed in each crate.

No. 22—22 in. Canopy, 50-100 chicks—weight 23 lbs.....	\$10.00
No. 32—32 in. Canopy, 350 chicks—weight 30 lbs.....	16.00
No. 42—42 in. Canopy, 500 chicks—weight 40 lbs.....	19.00
No. 52—52 in. Canopy, 1,000 chicks—weight 48 lbs.....	22.00

Illustrated circular on request.

Cyphers Center Lamp Portable Hover

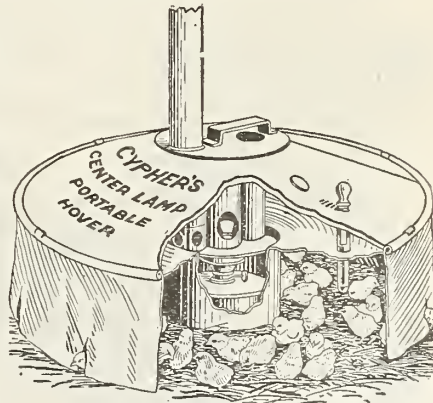
The experience of thousands goes to prove that the Cyphers Center Lamp Hover will bring to vigorous maturity practically every healthy chick committed to its care.

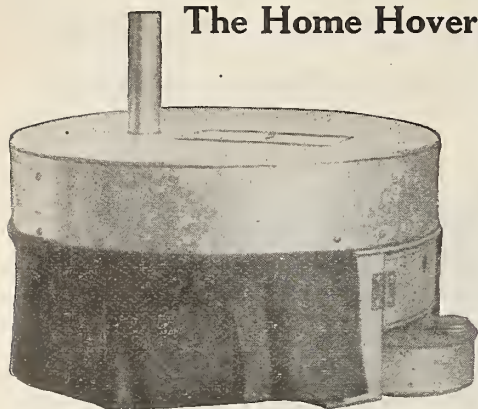
Specifications

Capacity...100 chicks
Weight, net...24 lbs.
Weight, in carton...30 lbs.
Diameter of Hover.....28 in.
Hovering space...540 sq. in.
Height, without stack.....14 in.
Height, floor to top of stack...36 in.

Equipment

Hover, Curtain, Lamp, Lamp Bracket, Thermometer, Stack—all complete to operate except the oil. Price, \$13.50.





The Home Hover

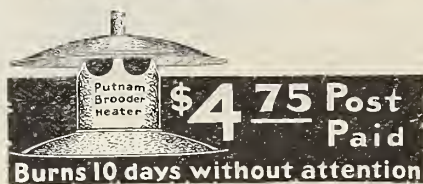
An Ideal Hover for any number of chicks up to fifty. The Home Hover was designed to meet the requirements of the raiser of a small flock of poultry—around the home or around the farm. It is substantially built and of fire-proof construction throughout. With the exception of the legs the entire hover, including the lamp, is made of heavy galvanized iron. Capacity 50 chicks \$5.50 postpaid.

This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater. A boy can make the brooder in an hour with saw and hammer. The materials need not cost over 25c. The Putnam Brooder Heater holds

one quart of oil and will burn 10 days without filling or trimming; needs no other attention. The Putnam Brooder can be operated anywhere and in any climate. It is built on the principle of an open fire-place. It carries out the foul and draws in fresh air, providing continuous ventilation. Heat is radiated from above upon the backs of the chicks just as with the mother hen. The floor of the hover is even with the ground; the chicks have no inclines to learn and don't get lost and cold.

The Putnam Brooder Heater is made of brass and galvanized iron. It is practically indestructible. Price of Putnam Brooder Heater \$4.75 postpaid. Illustrated circular on request.

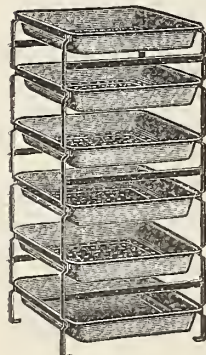
The Putnam Brooder



\$4.75 Post Paid

Burns 10 days without attention

National Oat Sprouter



National

Steel frame, well braced and painted. With six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons. Total height, 3 ft. Size of pans, 16x18 inches.

No. 01—Oat Sprouter. Each.....\$6.50

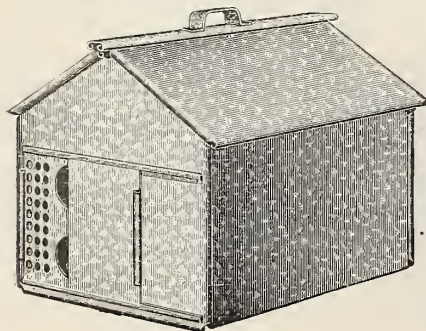
The Little Egg-Getter Oat Sprouter

The Little Egg-Getter Is the Biggest Little Proposition Ever Made in a Vapor-Bath Grain Sprouter.

Made of galvanized sheet steel, supported by a cypress frame—the wood that never rots. Constructed as genuinely as any other vapor bath sprouter, with vapor pan, glass front doors, ventilation, one-piece all-metal aerated trays, etc. Has 4 trays which may be divided into 6 or 8 compartments as needed. Fitted complete

with lamp, thermometer, partitions and directions. For 40 hens or less. Delivered Prepaid by Parcel Post for only \$7.95. Special circular on request. Constructed like the close to nature.

The Delphos Superior Galvanized Brood Coop



Packed flat and can be put together without any tools. The bottom is elevated so chicks are not exposed to dampness, and it can be removed in an instant to be cleaned. All parts slide together in a bead and coop is perfectly rigid. Can be taken apart and packed away flat, occupying very little space when not in use. Rat and vermin-proof. Price, \$3.25. Parcel post weight, 10 lbs.

Newtown Practical Trap Nest

The Truly Reliable Detector of the Shirking Hen.



The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce. Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability—with a trap that works noiselessly and surely.

Prices, Shipped Crated, Ready for Use:

One Complete Single Nest, 14x18x15 in.	\$1.25
One Complete Set of 2 Nests, 27x18x15 in.	2.00
One Complete Set of 3 Nests, 40x18x15 in.	2.75
One Complete Set of 4 Nests, 53x18x15 in.	3.50
One Complete Set of 5 Nests, 67x18x15 in.	4.25

Collins' Oat Sprouters

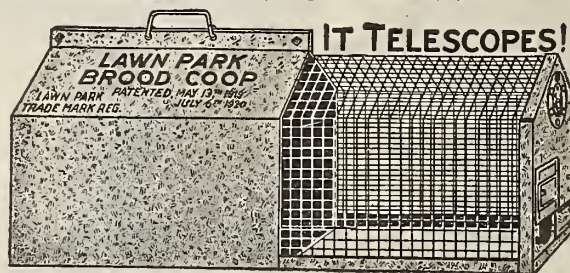
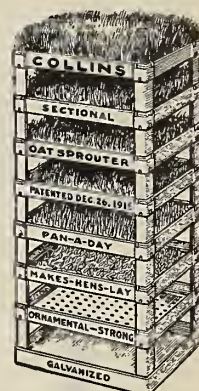
FRESH GREEN FOOD KEEPS THE CHICKENS LAYING

Every chicken raiser knows that sprouted oats can be grown without lamp—use the natural heat of the house.

8 Pans 11x15 the Popular Size. Weight 14 lbs.	\$4.00
5 Pans 11x15 Small Back Yard Flock. Weight 9 lbs.	\$3.00
8 Pans 11x32 for Big Business. Weight 28 lbs.	\$8.00



CLOSE-TO-NATURE HEATED GRAIN SPROUTER — Double quick. The most efficient and economical sprouter ever invented. Heated by lamp; safe, built for zero temperature. No. 4, 2 bus. or 64 qts., 6 trays, for 200 to 300 hens, \$26.00; No. 3, 1 bu. or 32 qts., 5 trays, for 100 to 150 hens, \$19.00; No. 2, ½ bu. or 16 qts., 4 trays, for 50 to 75 hens, \$13.00. No. 1, 8 qt. 25-30 hen, \$10.00.



IT TELESCOPES!
PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORMS, ETC. SAVES TIME, WORK AND WORRY

The "Lawn Park" Brood Coop. Pat. May 13, 1919.

It is made entirely of galvanized materials, will not rust, and absolutely protects chicks against rats, cats, dogs, hawks, vermin, cold, storms and all other chick enemies. The metal actually repels lice—that's important. The main part of the coop is made from heavy galvanized steel, while the park is made from strong galvanized wire screen, which has the edges neatly bound and strongly reinforced with galvanized steel. The "Lawn Park" is large and roomy, being 18 inches wide, 19½ inches high, and 48 inches long, with park extended. The coop and the park are of equal length. The park permits the chicks to have plenty of sunshine and fresh air, and also allows them to range on grass. Can be moved from place to place easily, thus giving them a fresh supply daily. Coop has removable bottom for quick and easy cleaning. \$4.00 each. Cannot be sent by parcel post.

THE BABIE CHICK FEEDER.—To be used in connection with the above. It is so designed that it can be placed in front of the "Lawn Park" Coop and securely fastened to make an additional runway of two feet, or it can be used in connection with any brood coop, as the door of the feeder is so made that it will fit practically any brood coop, thus supplying a yard to the ordinary closed coop. Size 6 inches high, 18 inches wide and 24 inches long. Saves feed and chicks. \$1.50 each. Shipping weight, 5 pounds.

Little Putnam Stove for Poultry Fountains and Oat Sprouters

This little device will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool proof and fire safe. Used under any can, crock or fountain.

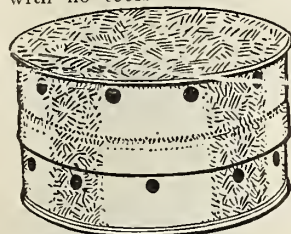
Over 80% of an egg is water. To get lots of eggs in winter, you should keep unfrozen water constantly before your fowls. One cold day with water frozen, may stop egg production for a month.

A Little Putnam Stove is also used to heat a home-made oat sprouter. Plans for making sprouter packed with every stove. A 14-year-old boy can build the sprouter in two or three hours with no tools but saw and hammer. The materials required need not cost more than 50c. Price of Little Putnam Stove, \$2.50, postpaid. Illustrated circular on request.



\$2.50
Postpaid

Burns a Month Without Attention



Royal Stove

Leg Bands for Poultry, Pigeons, Etc.

ALL POSTPAID

Tell the age and different strains of your poultry.

Table of sizes of bands for different breeds. Order by number.

No. 1—Bantams and small Mediterranean females, etc.

No. 2—Ordinary Mediterraneans and pit game females, etc.

No. 3—Mediterranean males, American females,

pit game males.

No. 4—American males, medium Asiatic females, turkey hens, etc.

No. 5—Ordinary large Asiatics and tom turkeys, etc.

No. 6—Tom turkeys and geese.



SPIRALET

SPIRALET LEG BANDS are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list; 12, 15c; 50, 50c; 100, 90c; 500, \$4.00. Pigeon and Day Old Chick Size: 12, 15c; 25, 25c; 50, 40c; 100, 75c; 500, \$3.50.



Double Clinch

"SMITH SEALED" BANDS—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, dozen, 35c; 25, 60c; 50, \$1.00; 100, \$1.75; 250, \$4.00; 500, \$7.75; 1,000, \$15.00.

SEALERS FOR SEALING S. S. BANDS—Plain, \$1.05; lettered jaw, \$1.15.

"DOUBLE-CLINCH" LEG BANDS—Made in

sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, dozen, 20c; 25, 30c; 50, 50c; 100, 75c; 250, \$1.75; 1,000, \$6.50.

DOUBLE-CLINCH FOR PIGEONS AND BABY CHICKS can also be used as wing bands; in two sizes. Price, dozen, 15c; 25, 25c; 100, 70c; 1,000, \$6.00.



Champion

"COLORED" ECLIPSE POULTRY BANDS—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Order as to numbers above No. 2 for Leghorns, etc. Prices, dozen, 40c; 25, 75c; 50, \$1.50; 100, \$3.00.

SEAMLESS PIGEON BANDS—Made in three sizes. Prices, dozen, 30c; 25, 60c; 100, \$1.50; 1,000, \$12.50.

OPEN CHICK, OR PIGEON BANDS—Prices, dozen, 15c; 25, 25c; 50, 40c; 100, 65c; 1,000, \$5.25.

Fig. 6.

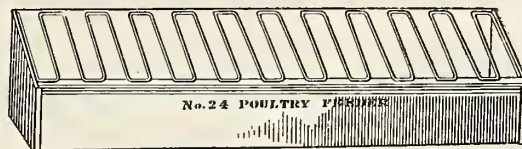
ELITE DOUBLE NUMBER COLORED PIGEON BANDS—This band is the most visible, most practical and effective numbered leg band made; in colors that can be seen at a distance—in 14 colors, black numbers of white. Prices, 6 pairs, 30c; 12 pairs, 60c; 25 pairs, \$1.15; 50 pairs, \$2.25. Fig. 7.

IDEAL DE LUXE PIGEON BANDS—Two colors on each band, all colors for marking mated pairs. Prices, 6 pairs, 25c; 12 pairs, 50c; 25 pairs, \$1.00; 50 pairs, \$2.00, postpaid.



Fig. 7

Felker's Dry Mash Feeders

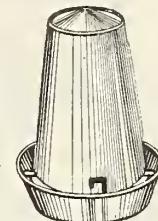


No. 24 POULTRY FEEDER

Made in two sizes. No. 12 and No. 24. No. 12, for a small colony of fowl or growing chickens. No. 24, a practical dry mash feeder for fowl. They cannot clog. They are dirt and rat proof, and are protected from waste by an especially designed grid. Should be hung on the wall by two nails, as high as the fowl can reach with ease. These Dry Mash Feeders are designed to give the consumer a feeder that in every way is practical, at a very reasonable price. No. 12, 85c; No. 24, \$1.20. Weight, 2 and 3 pounds.

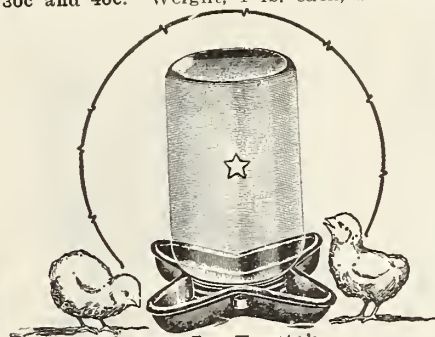
Felker's Cone Fountain

For chickens and pigeons. A new and practical drinking fountain. A two-part attachable fountain. Chickens or Pigeons can drink all around it, but can not get into it or foul it. It being attachable makes it easy to move from place to place and it is not easy to tip over. Made in two sizes—one quart and two quart. 30c and 40c. Weight, 1 lb. each, both sizes.



Star Jar Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason Jar. Convenient, cheap and sanitary. One size only; No. 32 without the jar, 10c, postpaid 15c.



Star Jar Fountain

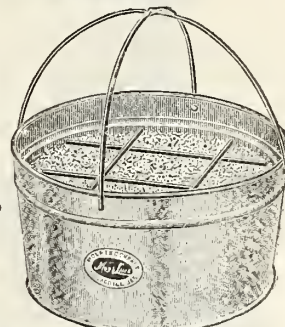
Moes Round Baby Chick Feeder

This is the most popular style of Baby Chick Feeders, being round more chicks may be served, being covered prevents contamination and wasting. Cannot be upset. No. 11, 6 inches in diameter, 8 feeding holes, each 15c; No. 12, 8 3/4 inches in diameter, 12 feeding holes, each 25c.

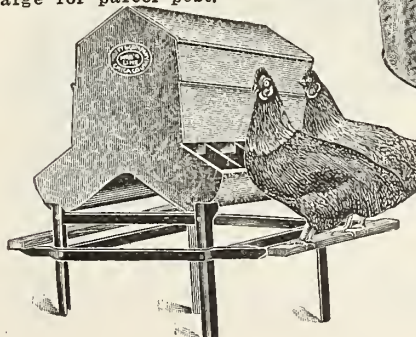


Moe's Mammoth Dry Mash Hopper

Has many excellent features; for instance it will accommodate a full 100-lb. bag of mash, doing away with the annoyance and waste of having a partly empty bag of mash on the premises. The feed is within easy reach of the chickens, and is protected from the weather and from the ravages of rats and mice. Price, \$12.00—too large for parcel post.



Overall Mash Hopper



Overall Mash Hopper

All steel, galvanized. Cap., 6 qts. Price, 75c, postpaid 85c.

M. & S. POULTRY AND PIGEON FEEDERS

The Norwich Automatic Exerciser and Feeder

Were Awarded Gold and Silver Medal at the Panama-Pacific Exposition.

Thousands upon thousands in use in every part of the civilized world. Operate with any grain or mixture; never out of order and will last a lifetime. Saves Grain, saves labor, saves time. Increases egg production. Waste, Rain, Rat and Bird proof. Improves the flock. Guaranteed satisfactory in every respect or money refunded.

No. 1, 8-qt. Hopper, wt. 13 lbs. \$5.00
No. 2, 14-qt. Hopper, wt. 15 lbs. 5.50
No. 3, 20-qt. Hopper, wt. 20 lbs. 6.50
No. 4, 32-qt. Hopper, wt. 27 lbs. 7.50

Awarded first prize wherever exhibited.

F. O. B. Baltimore, Md. Discount on quantities.

Can be sent by Parcel Post; add postage for zone.



The Apaco Poultry Feeder

Same mechanical features which have proven so successful in the Norwich Automatic, but of the hanging type. Designed for the small breeder or "backyarder," but not recommended for the commercial plant owing to swaying motion, present in all hanging feeders, if kept constantly in action by larger flocks. Rotary action, complete with the all important adjustable valve for regulating feed discharge, and guaranteed the best automatic feeder on the market at its price.

Made in one size only, 12-qt. capacity. Price, \$2.00. Shipping weight, 5 lbs. F. O. B. Baltimore, Md.



Apaco Feeder.

The Norwich Automatic Dry Mash Hopper

The problem of automatic dry mash feeding is completely solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. There is only three-quarters of an inch of mash in the bottom of the basin, the twenty quarts supply being completely protected from the dust and dirt of the house. Mash always fresh and clean and always the same amount before the birds.

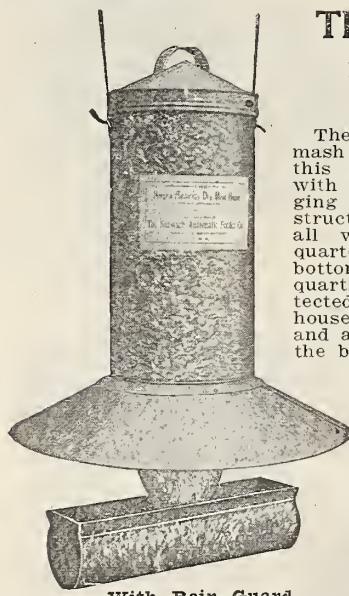
Without Rain Guard; Parcel Post weight, 8 lbs.; capacity, 20 qts. \$5.00.

With Rain Guard; Parcel Post weight, 11½ lbs.; capacity, 20 qts. \$6.00.

Feed Cups for Exhibition and Training Cages—Fig. 3. Large size, No. 1, 20c each; \$1.75 doz.; small size, No. 0, 15c each; \$1.50 dozen. Parcel Post wt. 1 lb.



Fig. 3



With Rain Guard

Safety First Chick Feeder



By simply turning the metal button on left leg and lifting up the wire guards the feeder can be easily filled, and is so simple to take it apart to keep it clean and sanitary.

Safety First Feeder—Price, 25c, postpaid.

FELKER'S "1-2-3" GRIT AND SHELL FEEDER—Fig. 1

For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.50; small size, 85c. Weight, 5 lbs. each.

"Apex" Wall Feed Pan—It can be hung high or low out of the way. Easy to clean. Like Fig. 2 feed pan illustrated. Can be used for feed, grit, etc. Price, 40c. Weight, 2 lbs.

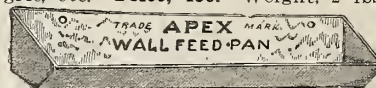


Fig. 2

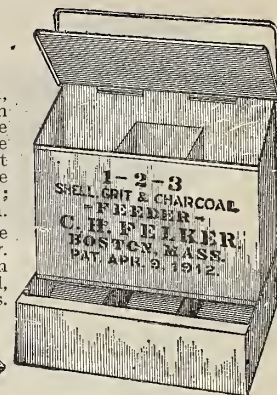
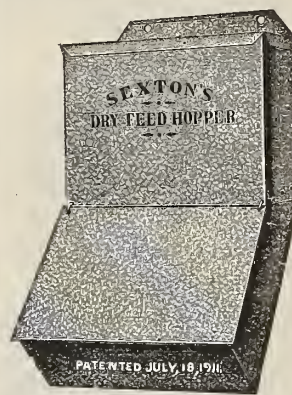


Fig. 1



Closed

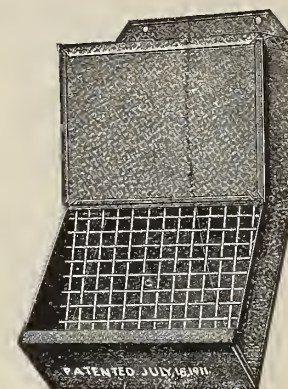


Fig. 3

Sexton's Dry Feed Hopper—Fig. 3. Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust-proof. No. 5—Capacity, 24 qts.; wt, 15 lbs. Each.....\$2.50
No. 1—Poultry size, capacity 12 qts. Weight 7 lbs. Each...\$1.50
No. 2—Capacity 3 qts. Parcel Post weight 4 lbs. Each....\$1.00

Top Section Slides Into Bottom Section.

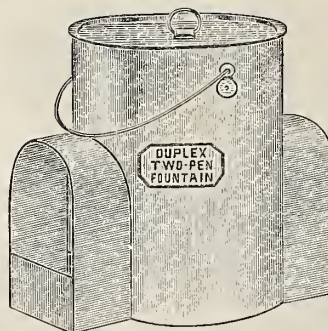
Duplex

Two-Pen Fountain

This fountain will serve two Pens at same time; gives good results and saves labor.

Made in two sizes, eight-quart and five-gallon.

Price: 8-qt. size (Parcel Post weight, 8 lbs.), each, \$1.65; 5-gallon size (Parcel Post weight, 4 lbs.), each, \$3.25.



8-qt. Two-Pen Duplex

Wall Fountain

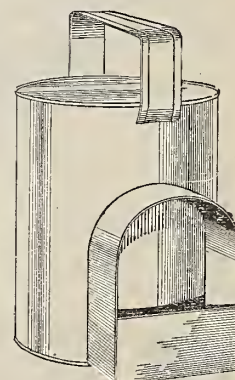
This has been very popular for years. Is a strong well made fountain and durable.

Price: 4-qt. size (Parcel Post weight, 2 lbs.), each, 90c; 8-qt. size (Parcel Post weight, 3 lbs.), each, \$1.25.



Royal Jar Fountains

This Fountain will fit any Mason Jar, and is intended for feed and water. 15c each; 2 for 25c; \$1.25 doz., postpaid.



Wall Fountain

M. & S. CHICK FEEDERS, POULTRY & PIGEON FOUNTAINS

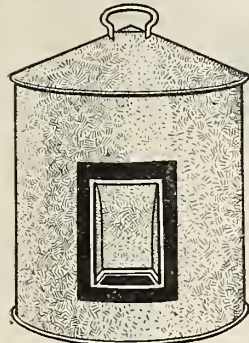
Norwich Chick Feeder



The strongest and best Chick Feeder ever placed on the market. Perfection as a sour milk feeder. 20 inches long. Without Rain Top, weight 2 lbs., 75c; with Rain Top, \$1.00
Conkey-Norwich Vibro Feeder, 27 inches long:
Without Rain Top, weight 5 lbs., 1.60
With Rain Top, weight 7 lbs., 2.00

Thermic Poultry and Pigeon Fountain

Prevents water from freezing in winter and keeps it cool in summer. **Guaranteed Sanitary**, as they are easily cleaned. No lamps to clean or danger from fire. No expense for coal oil. The most up-to-date, and proves to be the cheapest fountain to use, as they increase egg production 50%.

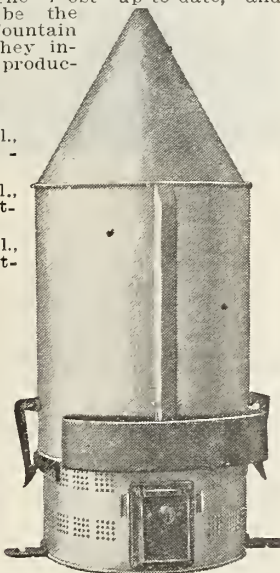


Made in 3
Sizes
No. 2—2 gal.,
\$3.50, pos-
paid.
No. 3—3 gal.,
\$4.00, post-
paid.
No. 5—5 gal.,
\$5.00, post-
paid.

The Norwich Auto- matic Airlock Fountain

Guaranteed frost-proof to 10 degrees below zero. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Parcel Post weight, 17 lbs.; less burner base, 10 lbs.; base only, 10 lbs.
Complete with Burner Base...\$6 00
Without Burner Base..... 3 50
Burner Base only..... 3 50



SANITARY FOUNTAIN, as per illustration. Fig. 9. Impossible for chickens or pigeons to roost on same.

No. 11—1-qt., 1 lb....\$0.25
No. 12—2-qt., 2 lbs... .35
No. 13—4-qt., 2 lbs... .45

NESCO No. 0 CHICK FOUNT, 15c each; 2 for 25c (weight, 1 lb.); \$1.40 per dozen (weight, 4 lbs.).



Fig. 9



Fig. 0

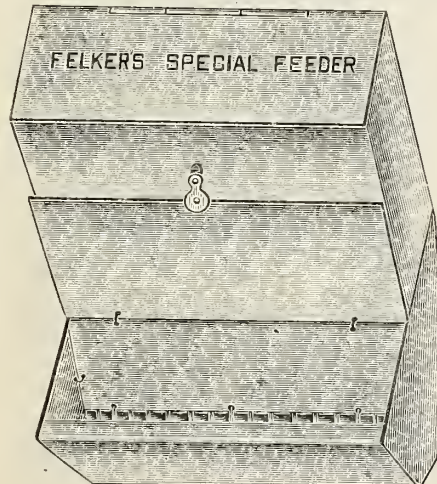
Felker's Special Feeder

FOR DRY MASH

Will not clog or waste. Feeds from the bottom up. Hang on wall near floor.

Felker's Special Feeder is Made in Two Sizes:

12-in. Special Feeder (Parcel Post wgt., 6 lbs.), \$2.00 each; 20-in. Special Feeder (Parcel Post wgt., 8 lbs.), \$2.50 each.



Felker's Sanitary Fountains for Poultry



Fig. 3

"PEERLESS" DRINKING FOUNTAIN keeps the water clean and pure. 1 qt., brooder size, 35c; 5 qt., 90c; 10 qt., \$1.25
Peerless Heater, fitting both sizes, price \$1.75. Parcel Post wgt., 2 lbs.

Weights on Peerless Fountains: 1 qt., 2 lbs.; 5 qt., 3 lbs.; 10 qt., 4 lbs.



Fig. 2

Felker's Jr. Chick Feeder

Feeds dry mash and grain as well as sour milk or water. 12-inch, price 25c each; 20-inch, 40c. Parcel Post weight, 2 lbs.

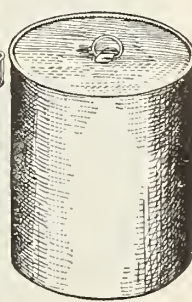
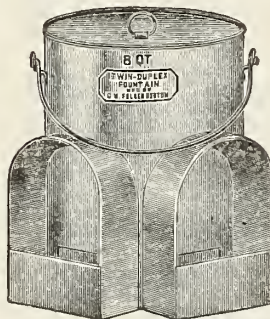


12-inch, price 25c each; 20-inch, 40c. Parcel Post weight, 2 lbs.

MCCANDLESH IMPROVED CHICK FEEDER (Pat. July 17, 1917, No 1234054)—Equipped with adjustable partitions for various kinds of feed. An ideal drinking receptacle also. Made of Galvanized Iron, no rough edges; waste impossible; can't capsize. Revolving rod prevents the chicks from perching upon it, making the feeder absolutely sanitary. Lengths, 20 and 30 inches. Prices, 50c and 75c. Parcel Post weight, 2 lbs. each.



TWIN DUPLEX FOUNTAIN—Constructed with two water fronts, which doubles the drinking capacity. Eight-quart size. Price, \$1.65. Parcel Post weight, 5 lbs.
Five-Gallon Twin Duplex—Price, \$3.25. Parcel Post weight, 9 lbs.



FELKER'S DUPLEX WALL FOUNTAIN—A big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price, 4-qt. size, \$1.15; 8-qt. size, \$1.40. Parcel Post weight of either, 4 lbs. Heater for same, \$1.75. Parcel Post weight, 2 lbs.

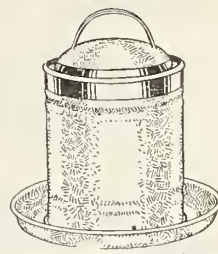
No. 31 Royal Fountain

BEST FOR BABY CHICKS



3 Pans 75c POST PAID 4 Pans \$1

It fits any Mason jar. The top of the pan can be removed in a second clean or fill. 25c each; 30c postpaid.



This Fountain is made in two pieces of galvanized iron. Can be used for growing chicks and large fowls. Capacity, 4 qts. Price, 50c; 60c postpaid.

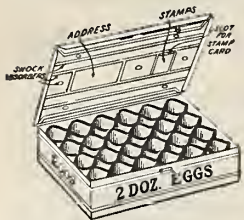
Metal Egg Crates

Sell Eggs by Mail to Your City Friends
Shipped in Aluminized Metal Egg Crates

Indestructible; made for inter-changeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Thousands now in daily use.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safely carrying eggs by mail. Light in weight and very strong.

Price of eggs in the city is about double the price obtained by the farmer at a local store for selected eggs. You might as well be receiving this added profit by shipping your eggs direct.

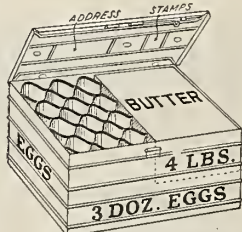


Metal Egg Crates

Butter and Eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crates.

Mailing Rates

	Weights	Postage
	Empty.	Filled.
1½ doz. size.....	3 lbs.	7c 9c
2 doz. size.....	3 lbs.	7c 10c
3 doz. size.....	4 lbs.	8c 12c
4 doz. size.....	5 lbs.	9c 15c
6 doz. size.....	6 lbs.	10c 19c
Comb. No. 1.....	3 lbs.	7c 10c
Comb. No. 2.....	4 lbs.	8c 15c
Comb. No. 3.....	5 lbs.	9c 18c
Comb. No. 4.....	3 lbs.	...
Comb. No. 5.....	5 lbs.	...
Comb. No. 6.....	5 lbs.	...
Comb. No. 7.....	6 lbs.	...



Combination Crates

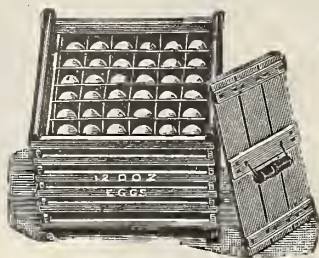
The above postage rates apply to the second zone or 150 miles. Add postage to your destination.

Metal Egg Crates Prices

1½ doz. size—all eggs.....	\$1.25
2 doz. size—all eggs.....	1.50
3 doz. size—all eggs.....	1.75
4 doz. size—all eggs.....	2.00
6 doz. size—all eggs.....	2.50

Prices Combination Crates With Metal Containers

No. 1—2 lbs. and 1 doz. eggs.....	\$1.50
No. 2—4 lbs. and 2 doz. eggs.....	2.00
No. 3—4 lbs. and 3 doz. eggs.....	2.25
No. 4—6 lbs. (3 2 lb. Containers).....	2.25
No. 5—12 lbs. (3 4 lb. Containers).....	2.50
No. 6—16 lbs. (2 8 lb. Containers).....	2.50
No. 7—24 lbs. (2 12 lb. Containers).....	3.50



M. & S. EGG BOX—Fig. 8. This is an ideal box for the retail egg trade holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape. 15c per dozen; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs., \$2.50 per pkg. of 250; 1,000 \$9.00.

CONTINENTAL EGG BOX—Carries six on each side. 20c doz.; 100, \$1.50; 250, original pkg., \$3.75; 1,000, \$14.25.

"HUMPTY DUMPTY" EGG CARRIER—Fig. 5. A very light, strong and convenient egg crate and carrier. Made of hard wood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 12 dozen, 75c. Parcel Post weight, 5 lbs.

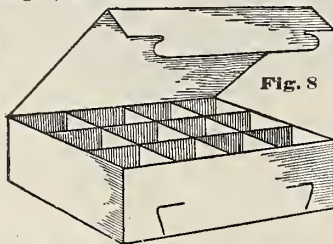


Fig. 8

Keipper Slide-Top Door Shipping Coop

Made from Light Cedar Wood combining strength, durability and light weight for exhibition purpose. Each. ½ Doz. Doz.

No. 18—Size 12x18x21 inches high.....	\$0.80	\$4.50	\$8.00
No. 19—Size 12x21x21 inches high.....	1.00	5.50	10.00
No. 20—Size 20x24x21 inches high.....	1.55	8.75	16.50
No. 21—Size 12x21x24 inches high.....	1.40	8.00	15.00



Mehler Scraper—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price, \$1.25. 50c; postpaid, 60c.

ANDERSON EGG BOXES—Fig. 11. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.

Fig. 11



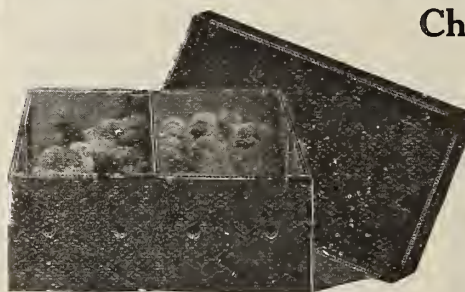
One setting—weight, 1 lb. each; 18 lbs., doz.....	\$0.25	\$2.75
Two settings—weight, 2 lbs. each; 28 lbs., doz.....	.35	4.00
50-egg size—weight, 4 lbs. each; 40 lbs., doz.....	.50	5.50

Commercial Egg Box Filler, \$3.75 per gross, 40c per dozen.

Chick Boxes

LIVE CHICK SHIPPING BOX—

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.



	Wt. of box.	Size.	Each.	Doz.
25 chicks.....	1	9x11x5½	20c	\$1.75
50 chicks.....	2	18x11x5½	25c	2.50
100 chicks.....	3	18x22x5½	30c	3.25

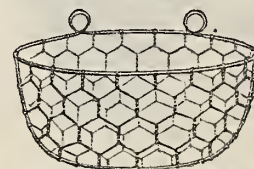
SULPHUR FUMIGATING CANDLES

A Microbe and Germ killer. Also lice and mite destroyer. Is put up in original form with wick ready for the match. 15c each, 2 for 25c. Parcel Post weight, 1 lb.

X-RAY EGG TESTER—Price, 35c each. Mailing weight, 1 lb.



Wire Nests and Nest Eggs



These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Price, each, 25c; \$2.50 per dozen. Parcel Post wt. 1 lb. each.

Opal Nest Egg—Prices: 5c each; dozen, 40c. Special price on quantities. Weight, 1 dozen, 1 lb.

M. & S. Non-breakable Nest Egg—Will last indefinitely; looks most natural. 10c each; \$1.00 dozen, postpaid.

Incubator Wicks—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

Brooder Wicks—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

Incubator and Brooder Lamp Burners—For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. No. 2 and 3—Large size, 95c; No. 1 takes 1 in. wick, has large flange, 75c; small size, No. 0, 55c. Mailing weight, either size, 1 lb.

"Zenith" Chimneyless Brooder Lamp Burner—Price, 75c. Mailing weight, 1 lb.

Metal Chimney—To fit above burners. 30c; postpaid, 35c.

Incubator Lamp Tanks without Burners—small size, \$1.15; medium size, \$1.25; large size, \$1.40. Parcel Post wt., 3 lbs.

Gas Burner for Incubators—Price, 50c each, postpaid.

M. & S. LICE PROOF PERCH SUPPORT

These are indispensable in any poultry house, lice and mite are what stop your hens from laying. Price, 50c a pair (either straight or curved). Parcel Post weight, 3 lbs.

Breeders' Magic Egg Tester

Is now universally used by poultrymen everywhere to select the strongest eggs for hatching BEFORE incubation. Requires no skill nor expense to operate—just a pair of hands and eyes. Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies. Fully guaranteed, \$2.50 each.

Poultry Foods, Tonics, Instruments and Thermometers

Prices on All Foods Subject to Change Without Notice



CARBOLINEUM—Will keep your Poultry House clean and free from Mites, Lice and Ticks. It is valuable for the fruit grower as a bark treatment. The best wood preserver known and of great benefit for the farmer, for dipping seed corn, to keep the crows from eating it. Gal. \$1.50. Cannot be sent by parcel post.

LEE'S LICE KILLER—Liquid—Qt. 60c; 2 qts. 90c; 1 gal. \$1.50.

LEE'S GERMOZONE—The best tonic for poultry of all kinds. Cures roup, cholera, and other poultry diseases. 1 gal. \$4.50; 32-oz. bottle, \$1.50; 12-oz. bottle, 75c; 4-oz. bottle, 40c; in tablet form, postpaid, 75c.

ALFALFA CLOVER MEAL—Rich in protein and especially desirable for young birds. 5c lb.; 100 lbs. \$3.00.

BARLEY—Principally fed for making feathers and bone. 5c lb.

BEEF SCRAPS—Very rich in protein; 50 to 55 per cent protein, 12 to 15 per cent fat, 1 to 2 per cent fibre. 8c lb.; 10 lbs. 75c; \$5.50 per 100.

BONE—(Coarse and Fine)—For muscle making, producing eggs and as a digester. 5c lb.; 100 lbs. \$3.75.

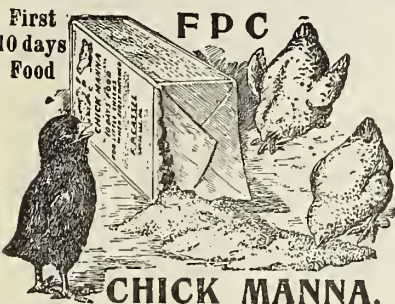
BRAN (Wheat)—For mash, etc. An excellent egg maker and very nutritious. 5c 1 lb.

BUCKWHEAT—Fed very largely as change of diet. 6c lb.

CANADA PEAS—Principally fed to pigeons, when it acts as a bowel regulator. 7c lb.

CHARCOAL—Three grades, fine, medium and coarse. Disinfects the bowels and tones up the whole system. 1 lb. 8c; 35c for 5 lb.; 10 lbs. 60c; \$2.00 for 50 lbs.; 100 lbs. \$3.50.

CONKEY'S BUTTERMILK STARTING FOOD—For Baby Chicks, to be fed for 6 to 8 weeks. 2½ lbs. 20c; 5 lbs. 35c; 10 lbs. 65c; 25 lbs. \$1.50; 100 lbs. \$5.50. Prices subject to change.



CHICK MANNA—Is a complete food in every respect, requiring nothing more for the first ten days. Price, 1 lb. 15c; 40c for 3 lbs.; 5 lbs. 60c; 15 lbs. \$1.65; 100 lb. \$8.50.

CORN CHOPS—Suitable for either mash or feeding little chicks. 5c lb.

CRACKED CORN—Carefully sifted; fine or coarse. 1 lb. 5c.

GLUTEN MEAL—For feeding to both

poultry and cows. 1 lb. 5c.

GRIT (Cockeyville Egg Shell)—Fine, medium and coarse. 5 lbs. 15c; 50c for 25 lbs.; 50 lbs. 75c; \$1.25 per 100 lbs.

GRIT (Red Cross Health)—For pigeons. 5 lbs. 20c; 35c for 10 lbs.; 25 lbs. 65c; \$1.25 for 50 lbs.; 100 lbs. \$2.25.

GROUND OATS—This makes an excellent dry feed when combined with other similar ration. 5c lb.

HEMP SEED—Fed largely to pigeons, also to poultry during winter months. 8c lb.

HEN-E-TA BONE—Takes the place of beef scraps, oyster shell and charcoal. In 4 sizes. 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50. Fine, granulated, medium and coarse.

HULLED OATS—A splendid food for young chicks. 5c lb.

KAFFIR CORN—Makes a fine food for pigeons, also used for poultry. 5c lb.

LINSEED MEAL—For feeding with the regular ration during the moulting period. 5c lb.

MIDDLINGS—An excellent change in combination of a mash. 5c lb.

MILLET (for feeding)—Highly nutritious and used extensively for pigeons and young chickens. 6c lb.

OATS—Splendid for sprouting. 5c lb; Rolled Oats, 6c per lb.

OAT MEAL (Pin Head)—An excellent food for young chicks after they are a few days old. 6c lb.

O. K. LITTER—Fine for scratch pens, absorbs moisture, lasts long time. \$3.75 per large bale.

OYSTER SHELLS—Fine and coarse. 5 lbs. 15c; 50c for 25 lbs.; 50 lbs. 75c; \$1.25 per 100 lbs.

PRATT'S PIGEON FOOD—Containing the best of grain. 6c lb.; 100 lbs. \$4.25.

SUNFLOWER SEED—For poultry, parrots, etc. 10c lb.; 10 lbs. 75c.

TOBACCO STEMS—1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

VETCHES OR TARES—For pigeon feeding. 8c lb.

WHOLE CORN—Especially used in the evenings during cold winter weather. 5c lb.

Cyphers Incubator Thermometer, postpaid \$1.00.

Cyphers Adaptable Hover Thermometer, \$1.00,

postpaid.

"Tyco's" Incubator Thermometer, No. 5770 —

Many poultry raisers prefer the standing type of

Incubator Thermometer. No. 5770 is made with

metal legs, which fold under and may be ad-

justed to almost any desired position. Sets in

among the eggs on the floor of the incubator.

Made in mercury tubes only. Price, 75c each;

postpaid, 85c.

"Tyco's" Incubator Thermometer. No. 5774—

Most popular. Suitable for any incubator. Price,

75c; postpaid, 85c.

"Tyco's" Brooder Thermometer, No. 5792 —

Mounted. Price

60c; 70c postpaid.

"Tyco's" Incuba-

tor Hygrometer,

No. 5796 — Price,

\$1.50. Extra wicks

10c each, postpaid.

Philadelphia

Caponizing Set —

In plain box, \$2.50.

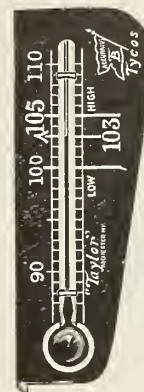
In velvet lined

box, price, \$2.75.

M. & S. Incubator Thermometer—Very handy, sets on bottom

of tray; easy to read. Price, \$1.00, postpaid.

Tyco's Certified Thermometer No. 5782—Price, \$1.00.



No. 5774

Thermometer box, price, \$2.75.

M. & S. Incubator Thermometer—Very handy, sets on bottom

of tray; easy to read. Price, \$1.00, postpaid.

Tyco's Certified Thermometer No. 5782—Price, \$1.00.

Angular Kill-

ing Knives — Fig.

7. Price, 50c each.

French Safe

Edge Killing

Knife — Fig. 6.

Price, 50c.

French Poul-

try Killing

Knife — Price, 50c.

Poultry Roup

Syringe, 10c each.

All the above post-

paid.

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

Fig. 27

Fig. 28

Fig. 29

Fig. 30

Fig. 31

Fig. 32

Fig. 33

Fig. 34

Fig. 35

Fig. 36

Fig. 37

Fig. 38

Fig. 39

Fig. 40

Fig. 41

Fig. 42

Fig. 43

Fig. 44

Fig. 45

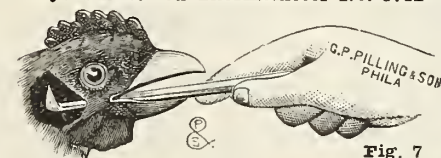
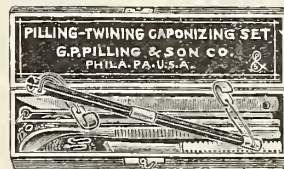


Fig. 7

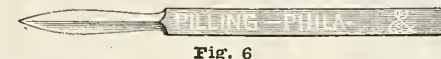


Fig. 6



Fig. 5

Fig. 6

Fig. 7

PHILADELPHIA POULTRY MARKER—Large and small.

Price, 25c, postpaid. Fig. 5.

POULTRY MARKER—In shape of ply-

ers. 25c, postpaid. Fig. 6.

POULTRY MARKER (Fig.

7)—20c, postpaid.

GAPE WORM EXTRAC-

TORS—Price, 25c, postpaid.

MOES POULTRY PUNCH.

Fig. 8. The best punch

made, easy to handle and

will not bruise the web of

the little chicks foot, 50c,

postpaid.

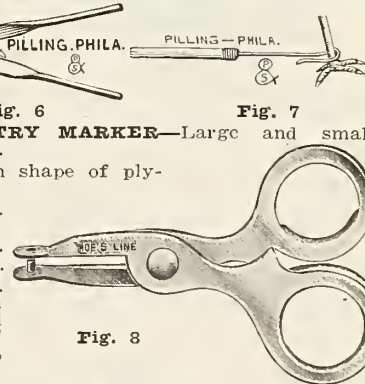
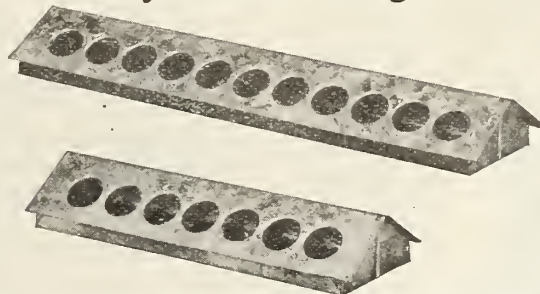


Fig. 8

Royal Feed Troughs



Made of the best quality galvanized iron; well reinforced and very economical in price. Top lifts off and it is easily filled. Made in three sizes.

No. 12—Length, 12 in.; 14 feeding holes.. 25c Postpaid, 30c

No. 18—Length, 18 in.; 22 feeding holes.. 35c Postpaid, 40c

No. 24—Length, 24 in.; 30 feeding holes.. 45c Postpaid, 50c

Pratts "Quality" Poultry Feeds

Backed by over 50 years' experience with poultry, with every ingredient carefully selected and processed, PRATTS FEEDS are scientifically and practically correct. There is a Pratt Feed for every poultry need and every age of fowl. Use "Pratts" from the first feed and follow the Pratt system if you want real success and profit.

Start your chicks on

Pratts Buttermilk Baby Chick Food

the original "baby food for baby chicks." It has taken all the guess, worry and loss out of raising baby chicks. Use it the first month to six weeks and watch results. Chicks grow strong, uniform, vigorous and sturdy and are free from leg weakness, "pasting up" and digestive troubles.

Equally good for young turkeys, guineas, ducks, pheasants and game birds. A perfect "baby food" for young fowls.

In packages and 14, 25, 50, and 100 lb. bags



After the little fellows are about a month old switch them to

Pratts Buttermilk Growing Mash

This splendid mash for the growing youngsters supplies an abundance of every element needed for making bone, muscle, feathers and health. Insures vigor and quick, uniform growth. When they are matured give them



Pratts Buttermilk Laying Mash

the food that "makes eggs." Every ounce is real food that nourishes and keeps your hens laying and healthy. It is so appetizing the hens eat it greedily and the more they eat the more they lay. You fill the hopper and the hens will fill the nest. Fine for moulting hens and breeding stock. Most economical judged by eggs and profit. Pratts is a real "laying mash."



Pratts Scratch Feeds are good clean feeds with no grit, dirt, charcoal, shell or other cheap or useless filler. There is a Pratt Scratch Feed to be used with every Pratt Buttermilk Mash, with which they form perfect balanced rations. Sweet, clean, honestly made feeds.

Pratts Chick Scratch Feed for Baby Chicks.

Pratts Intermediate Scratch Feed for growing and laying stock.

Pratts Large Scratch Feed for laying hens.

PRICES
ON
PRATTS GRAIN
AND
MASH FEEDS
SUBJECT TO
Market Changes

Pratts Buttermilk Baby Chick Food. Pkg. 25c and 50c, post-paid 32c and 60c; 14 lb. bag, \$1.00; 25 lb. \$1.50; 50 lb. \$2.85; 100 lb. \$5.50.

Pratts Buttermilk Growing Mash. Lb. 6c; 100 lbs. \$4.00.

Pratts Buttermilk Laying Mash. Lb. 5c; 100 lbs. \$3.75.

Pratts Chick Size Scratch Feed. Lb. 5c; 100 lbs. \$3.50.

Pratts Intermediate Size Scratch Feed. Lb. 5c; 100 lbs. \$3.50.

Pratts Large Size Scratch Feed. Lb. 5c; 100 lbs. \$3.00.

If to be sent parcel
post, include
proper amount
of postage

M. & S. WONDER BRED CHICKS

Are hatched to live and mature to big fine healthy specimens. We are this season hatching thousands weekly, and are better prepared than ever to fill wants of patrons.

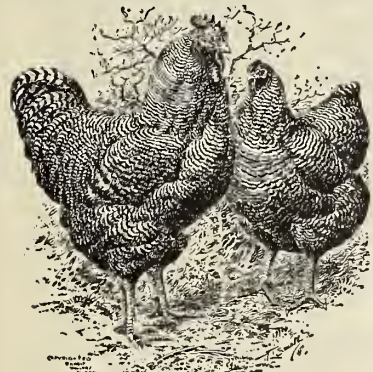
We advise placing orders ahead of time, as the demand for our **M. & S. WONDER BRED CHICKS** is always great. We will start deliveries the last week in February and continue until the first of September on all popular breeds.

LIST OF M. & S. WONDER BRED CHICKS

Prices for February and March Subject to Change Without Notice

	100	50	25	12
Single Comb White Leghorns.....	\$16.00	\$8.50	\$4.50	\$2.50
Single Comb Brown Leghorns.....	16.00	8.50	4.50	2.50
Single Comb Buff Leghorns.....	16.00	8.50	4.50	2.50
Single Comb Black Minorcas.....	19.00	10.00	5.50	3.00
Single Comb Mottled Anconas.....	19.00	10.00	5.50	3.00
Barred Plymouth Rocks.....	19.00	10.00	5.50	3.00
Rhode Island Reds.....	19.00	10.00	5.50	3.00
White Wyandotte.....	19.00	10.00	5.50	3.00
White Plymouth Rocks.....	21.00	11.00	6.00	3.25
Buff Plymouth Rocks.....	21.00	11.00	6.00	3.25
Buff Orpington.....	21.00	11.00	6.00	3.25

April prices \$1.00 per 100 less than February and March.
May and June prices \$1.00 per 100 less than April.
Small quantities accordingly. Prices Subject to Change.



Barred Plymouth Rocks

Plymouth Rocks

The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Four varieties: Barred, White, Buff and Partridge Rocks.

Gentlemen: The 300 Barred Rock Baby Chicks arrived in fine condition and are very satisfactory. Have lost none and they are doing well.—Dorsey M. Williams, Ellicott City, Md.

I am pleased to say that M. & S. Wonder Bred Baby Chicks are a fine lot.—Mr. Dorrance, Belair, Md.

Gentlemen,—The Cockrels arrived here Thursday and seem to be very nice birds.

Yours truly,

C. D. MARCHANT, Harmony Village, Va.

Prices on Poultry and Eggs

(Prices Subject to Change)

Single Birds	from \$4.50 to \$ 8.00
Pairs	from 8.50 to 15.00
Trios	from 12.00 to 17.50
Pens (4 Females, 1 Male).....	from 20.00 to 30.00
Ducks 11; \$2.50 to \$5.00. 100 or more, \$12.00 to \$15.00. 50 at	
Prices on Eggs for Chickens and Ducks, per setting of 15;	
Ducks 11; \$2.50 to \$5.00. 100 or more, \$12.00 to \$15.00 (50 at 100 rate).	



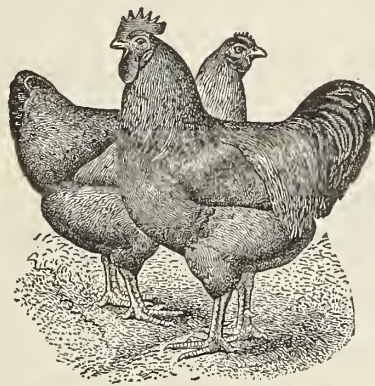
Pratts Poultry Regular (For Health and Eggs)
—Use it the year 'round for breeders, layers and growing stock. 25c, 50c, \$1.10 packages; 12-lb. pail, \$1.65; 25-lb. pail, \$3.00; 100-lb. drum, \$10.00, not postpaid.

Pratts White Diarrhea Tablets in the drinking water for the first couple of weeks. Proven by years of success, it will save you many dollars and chicks. Guaranteed. 25c and 50c packages.

Pratts Special Compound—For indigestion, sour crop, diarrhea and bowel troubles, commonly called CHOLERA. Gives quick, effective relief. Easy to use. Certain in action. Guaranteed. 25c and 50c packages.

Pratts Red Mite Special—Paint or spray around the poultry house, on nests, roosts, etc., it is sure death to all mites and lice. Powerful, efficient, lasting. Use it where others have failed. It will surprise you. 50c a quart; 90c a half gallon; \$1.50 a gallon, not postpaid.

Pratts Poultry Disinfectant insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Quart, 55c; half gallon, 90c; gallon, \$1.50, not postpaid.



Single Comb Rhode Island Reds

Single Comb Leghorns

The most popular fowl of the day. They grow very fast, often laying when only four or five months old; non-setters. Three varieties—White, Brown, and Buff Leghorns.

Gentlemen: I am pleased to say that my Single Comb Buff Leghorn Rooster, which is of a lot of M. & S. Wonder Bred Baby Chicks which I purchased from you, won second prize at the 1921 Poultry Show held in Baltimore.—Richard Barber, Fullerton, Md.

Gentlemen,—Chicks arrived today; the finest and liveliest bunch of chicks I have ever seen. There were only about fifteen dead in the 2,000. They surely are beauties. We feel that the M. & S. Wonder Bred Chicks can't be beaten. We shall place our spring order with you.

Respectfully,

MRS. WM. E. VOGELSON, Indian Head, Md.

Gentlemen,—The Buff Orpington, Barred Rock, White Wyandotte and Rhode Island Red Baby Chicks which I bought from you the past season were the finest I have ever seen.

MRS. JACOB WEBER, Woodwardville, Md.

Gentlemen,—The Wishbone Valveless Brooder which I bought from you this season has given me much satisfaction and I would not hesitate to recommend it to anyone.

Yours truly,

MR. WM. C. HAUPT, Raspeburg, Md.



Pratts Roup Tablets (or Powder)—Save your birds from heavy roup losses. Guaranteed to give satisfaction or your money back. 25c and 50c packages.

Pratts Gape Compound an effective, easy remedy that will prevent further losses and save the sick chicks. Try it. 25c and 50c packages.

Pratts Bronchitis Tablets—25c and 50c a box.

Pratts Head Lice Ointment, 30c.

Pratts Lice Salve—25c and 50c.

Pratts Scaly Leg Ointment—30c and 60c a box.

Pratts Condition Tablets—25c and 50c boxes.

Pratts Sore Head Chicken Pox Remedy—30c and 60c packages.

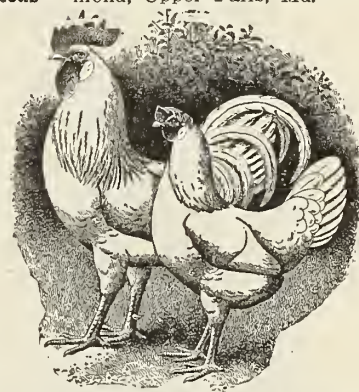
Pratts Powdered Lice Killer is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, etc. Rids poultry of all ages, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers. In sifter cans, 25c and 50c. Postpaid, add 5c & 10c. All postpaid unless stated otherwise.



Single Comb Rhode Island Reds

These splendid fowls have a great many admirers, and are one of the best all-around fowl.

Gentlemen: A few lines thanking you for my baby chicks which arrived in wonderful condition. Every one was as lively as if a week old. I am quite proud of them.—Mrs. Roscoe Hammond, Upper Falls, Md.



Single Comb White Leghorns



We Sell and Recommend Burrell-Dugger Guaranteed Poultry Remedies



DON SUNG Makes Hens Lay!

We Guarantee you--More Eggs or No Pay
"Hens won't lay in Fall and Winter," used to be accepted as a fact. But anyone who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons.

Some may doubt this—and you may be one of them. But if you don't at least try Don Sung, you are missing some sure, easy profits from extra eggs.



A Mineral Compound that Scientifically Helps Nature

Don Sung doesn't force or hurt the hen in any way. It is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. It helps supply, during Fall and Winter, those mineral elements, lacking in the feed at that time.

Costs Nothing to Try—Give Don Sung to 15 hens for 30 days. If it doesn't show you a big increase in eggs, if it doesn't pay for itself and a good profit, your money will be promptly refunded.
Prices: Trial size, 50c; Large size, \$1, holds 3 times the 50c size; SPECIAL SIZE (6 times the \$1 size)—\$5.

To Kill Chicken Lice!

The U. S. Dept. of Agriculture says, "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is the form for poultrymen to use. Here it is, Ready to Use.

Here is T. S. F., specially made for poultry. It is less irritating, and is so light and fluffy that it penetrates the plumage. It is in a handy sifter-top can that keeps it protected. Carries the Government's directions for use by the "dusting," "dip" and "pinch" method.

Prices of T. S. F. Delivered
Small Size (enough for 40 chickens) 40c
Large Size (Twice as much) 70c
Special Size (Five times the large size) \$2.65

**TALCIMIZED
SODIUM FLUORIDE**
(Called "T.S.F.")

(All these prices include packing and postage.)



AVICOL Stops Chicks Dying The Wonder Remedy for WHITE DIARRHOEA or Cholera in chicks, and Black-Head in Turkeys Does work in 48 Hours



White Diarrhoea kills half of nearly every hatch of chicks. The strange thing is that so many people think this loss can't be stopped. But it can be stopped, without extra work, without troublesome dosing, and at almost no cost. For years, thousands have saved their sick chicks and raised nearly every chick in every hatch, by keeping Avicol in the drinking water.

Avicol is a bowel antiseptic. It makes chickens healthy and keeps them healthy. Costs less than a cent a day for an ordinary flock. Guaranteed!

Price 50c; Large Size (Almost 3 times as much) \$1.



Roup-Over

"The Over-Night Roup Remedy"

A New Prompt and Positive Guaranteed Treatment for Roup, Canker and Colds in Poultry

Roup works fast. It usually begins with a cold. After that, the disease progresses rapidly. It is very contagious and can soon kill every chicken you own. Roup is one of the most serious of poultry diseases.

Keep Roup-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Fully guaranteed.
Price 50c; Large Size \$1 (Three times 50c size)

For Gapes in Chicks!

When gapes starts in your flock, get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation. Easily given in the drinking water. Guaranteed. Price 50c.

Trakol
For Gapes
In Chicks



HAVE A CONKEY CORNER IN YOUR POULTRY HOUSE

Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of BEING PREPARED. For more than twenty-five years Conkey has been the POULTRY DOCTOR. Take his advice. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.

We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:

Your money refunded cheerfully if any Conkey remedy does not satisfy.

CONKEY'S POULTRY BOOK FREE if you call at our store, or mailed for 6 cents in stamps.



Conkey's Roup Remedy

When roup breaks out there's no time to experiment—start treatment at once—the disease is very contagious. When birds sneeze, froth in eyes, or run at nose put Conkey's Roup Remedy in the drinking water. Sick birds doctor themselves and others are protected from catching the disease.

Packages: 30c, 60c, \$1.20, 1½ lb. can \$2.50; breeder size (5-lb. can) \$5.75. All postpaid.

Conkey's Roup Pills

For treating individual cases and for use at shows.

Packages: 30c, 60c, \$1.20, all postpaid; breeder size (1000 pills) \$3.00; or \$3.10 postpaid.

Conkeys Canker and Bronchitis Remedy—Checks cankerous growths and soon restores the bird to normal. This remedy is Conkey's Specific for bronchitis.

Package 50c postpaid.

Conkey's Cholera Remedy

Packages: 25c, 50c, \$1.00, all postpaid; breeder size 5 lbs., \$2.50; or \$2.65 postpaid.

Conkey's Gape Remedy

Packages: 25c, 50c; or 30c, 55c postpaid.

Conkey's Poultry Conditioner—Highly concentrated fowl-regulator, blood-purifier and nerve food, to build up birds in a run-down condition.

Packages: 25c, 50c; or 30c, 55c postpaid.

Conkey's Scaly Leg Remedy

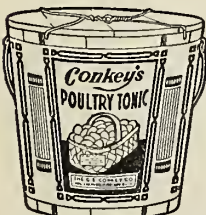
Package 25c postpaid.

Conkey's Limberneck Remedy

Packages: 50c; or 55c postpaid.

Conkey's Nox—Here is a high-grade disinfectant and dip in solid form. A little cube—only an inch square—mixed in water makes a gallon of dip or disinfectant.

Packages: 6 cubes, 25c; 15 cubes, 60c; 30 cubes, \$1.00; 75 cubes (2½ lbs.) \$1.75; 150 cubes (5 lbs.) \$3.25. Parcel post, express or freight extra. Ask for special prices on larger quantities.



Conkey's Poultry Tonic

Every bird from chick to maturity will be more productive, healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds to get more out of their feed; they produce more eggs and better flesh on LESS FEED, by better digestion and assimilation. Conkey's Tonic is all medicine—free from filler, red pepper, and "hot stuff"—to overstimulate the birds and break down their health.

Buy it by the pail. Packages, 25c, 50c, \$1.00; pails, 12-lb. \$1.60; 25-lb. \$3.00; bags, 50-lb. \$5.00; 100-lb. \$9.50. Parcel post, express or freight charges extra.



Conkey's White Diarrhea Remedy

As a preventative of bowel troubles, White Diarrhea and other digestive complaints this remedy has given great satisfaction for many years. Also recommended for treatment of coccidiosis.

Packages: 30c, 60c, \$1.20, all postpaid; breeder size (1200 tablets) \$4.00; or \$4.10 postpaid.

Conkey's Lice Powder

Packages: 20c, 35c, 75c; pails, 12 lb. \$2.60; 25 lbs. \$5.00. Parcel post, express or freight charges extra.

Conkey's Mite Liquid

Cans: qt. 60c; 2-qt. 90c; gal. \$1.50; 5-gal. \$7.00. Parcel post, express or freight extra.

Conkey's Head Lice Ointment

Packages: 10c, 25c, postpaid.

Conkey's Lice Fix—A preparation in ointment form for fighting body lice.

Packages: 25c, 50c, postpaid.

Conkey's Sorehead Remedy

Packages: 25c, 50c; or 30c, 55c postpaid; breeder size (1 lb. salve, 5 lb. powder) \$3.50; 10 lbs. powder only, \$3.50; or \$3.65 postpaid.

Conkey's Poultry Worm Remedy

Packages: 25c, 50c; or 30c, 55c postpaid; breeder size (5 lbs.) \$2.75; or \$2.85 postpaid.

Conkey's Blackhead Remedy

Packages: 50c; or 55c postpaid.

Conkey's Poultry Laxative—Wherever a laxative or purgative is needed this remedy is just the thing for birds—by varying the dosage you can produce either a mild or a strong effect.

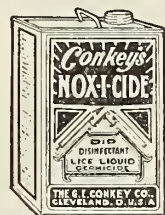
Packages: 25c, 50c; or 30c, 55c postpaid; breeder size (5 lbs.) \$2.75; or \$2.90 postpaid.

Conkey's Stock Tonic

Packages: 25c, 50c; pails, 12 lb. \$2.10; 25 lbs. \$3.45; bags, 50 lb. \$5.25; 100 lb. \$10.00. Parcel post, express or freight charges extra.

Conkey's Fly Knocker—For Cows and Horses.

Cans: qt. 60c; ½ gal. 90c; gal. \$1.50; 5 gal. \$7.25; 10 gal. \$14.00. Parcel post, express or freight, extra.



Conkey's Nox-i-cide Dip and Disinfectant

For poultrymen, Conkey's Nox-i-cide has a large variety of uses as a disinfectant and germicide. For spraying during the "weekly clean-up", as a preventive of disease and a help in keeping down red mites, ticks, blue bugs, etc., Conkey's Nox-i-cide is practically unexcelled. Conkey's Nox-i-cide is also widely used and highly recommended as a dip for hogs, sheep, cattle and other animals.

Cans: Pint 50c; Quart 80c; ½ Gallon \$1.30; Gallon \$2.00; 5 Gallons \$9.25; 10 Gallons \$17.75. Parcel post, express or freight charges extra. Ask for Prices on Sprayers.

M. & S. BIRD, POULTRY AND ANIMAL REMEDIES

Song Bird Supplies



Lb.		Lb.	
Canary Seed .....10c	Thistle .....45c		
Bird Rape .....15c	Sunflower .....10c		
Millet .....08c	Hemp Seed .....08c		
Poppy or Maw...30c	Mixed Bird Seed...15c		

Cuttle Fish Bone—Price, 5c each; 50c lb.

"Gloria" Song-Restorer Food—This is an important article which is scientifically proportioned and has been fed with great success. Price, 1 lb. 25c.

For-get-me-not, Wild Bird, Seed Mixture—Feed the little songsters in the winter time. 15c lb.

Bee Brand Lice Powder—A most effective remedy for killings lice and fleas on birds, cats, dogs, monkeys, rabbits, etc. Price, 15c, 40c and \$1.00 a can, postpaid.

Bird Sand for Canaries and other birds. Very necessary. What we offer is sifted and free from all dust. Carton, 15c per lb. Parcel Post weight, 3 lbs.

Bird Tonic—A reliable medicine for loss of song, asthma or hard breathing, diarrhoea, moulting out of season, and those troubles arising from colds or exposure of cage birds. It is a liquid and is administered in the drinking water. Don't be discouraged if your bird is failing. Full directions on bottle. Price, 25c.

"American" Turkey Powder—It is sure to raise your young turkeys to healthy birds. Shipping weight, 2 lbs. Price, 30c.

Margaret Mahaney Black Head Remedy Pills and Salve—For turkeys; sure cure. Price, \$1.00, postpaid.

Margaret Mahaney Turkey Condition Powder—1-lb. pkg. \$1.00.

Margaret Mahaney—"Talk on Turkeys"—Valuable book. \$1.00.

Dr. Hess' Poultry Pan-a-acea—Guaranteed tonic and egg producer. 1½-lb. pkg. 25c; 6-lb. pkg. 75c; 12-lb. pkg. \$1.50; 25-lb. pail \$3.00; 50 lbs. \$5.50; 100 lbs. \$10.00.



satisfactory. One gallon makes 100 gallons of fluid. 8 oz. 35c; 1 pt. 50c; 1 qt. 75c; 2 qt. \$1.25; 1 gal. \$2.00; 5 gal. \$3.00. Liquid.

"Zenoleum" Lice Powder—Large 18-oz. Pkg. 30c.

Succulenta Tablets—Substitute for green feed, to be put in drinking water. 100 tablets, 50c; 250, \$1.00; 500, \$1.75; 1,000, \$3.00; postpaid.

Cholérine—For Fowl. A wonderful remedy for cholera, roup, white diarrhoea, limberneck and other germ diseases. In pill form. 65c each; large size, \$1.00; postpaid.



Stops and cures Roup, Canker, Scaly Legs, Bumblefoot, Chicken Pox, Black Head in Turkeys and other contagious poultry diseases.

FOR YOUR SHOW BIRDS

B-K removes all stains—keeps plumage, skins nits and eggs of lice.

Keeps the flock healthy and snappy.

Greatest Household Purifier, Cleanser, Deodorant Germ Destroyer.

Non-Poisonous, Colorless, Leaves no Order.

Circular on request.

Trial size, 60c; quart, \$1.00; gallon, \$3.00. Postpaid: Trial size, 70c; quart, \$1.15; gallon, \$3.25.

Fibre Pigeon Nests



Indurated Fibre Pigeon Nest—Fills a long-felt want for all squab breeders. Price, 30c each; weight, 1 lb.; \$3.00 per doz.; weight, 9 lbs. Clay Pigeon Nest 25c each, \$2.50 doz.

CARBOLA—The Disinfectant That Paints—Use it instead of White-wash. Put on with a brush or sprayer—A snow-white cold water paint that will not blister, flake or peel off, combined with a germicide 20 times stronger than carbolic acid, but



Common Sense Exterminator



KILLS RATS

Why feed rats when a 25c can of "Common Sense" will clean them out?

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it.

Get a can NOW and if you do not find it entirely satisfactory, we will refund your money.

It will not harm anything else but rodents, who get sick, after eating it, and die after leaving the premises. 75c, postpaid.

BARIUM CARBONATE—A tasteless and odorless mineral recommended by the U. S. Government for exterminating rats and mice. It was used for cleaning Baltimore of this pest. 25c pkt.; \$2.50 per doz.



RAX—A virus, not a poison; safe to handle as

DETHOL

Destroys all insects. It is stainless; can be sprayed direct on poultry. A thorough disinfectant. 1 pt. 50c; 1 qt. \$1.00; 1 gal. \$3.00. Combination Sprayer and Pint of Dethol, 85c. Being a liquid, it cannot be sent by parcel post; express only.



Pratt's Egg Preserver

Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy PRATTS EGG PRESERVER, the pure, strong kind. It will stand the maximum amount of dilution with water. Price, 1 quart, 35c; 1 gallon, \$1.00.

EGG-O-LATUM is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors, or germs can get in. The egg is preserved in all its original freshness. The application of Egg-O-Latum is easily and quickly done. A dozen per minute. Fresh eggs must be used, preferably unfertile. Per jar, 50c, postpaid. Enough for 50 dozen eggs.

EGG-O-HATCH

Egg-O-Hatch is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off, makes more brittle and porous the shell of the egg. 50c per pkg., postpaid.

Anti-Setting Device

STOPS THE HEN SETTING
Breaks 'Em Up in 24 Hours (Patent Applied For)

Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours. then remove Price, 15c each; \$1.50 dozen, postpaid.



AIRDALES

"Kenjockety Kennels"

The Airdale has not proved to be an over-estimated breed, nor one to come and go to be read about in canine history. They are here to stay, and we have succeeded after years of patience and expense in producing in our "Kenjockety" strain, a type that has met the approval of some of the best judges in this country.

We have and own a kennel of the finest females to be found, and for lack of space mention these few—which are registered and whose pedigrees we have up unto the seventh generation—as for instance:

THE GREY LADY , by.....	Crompton Oorang No. 1591-J
No. 257416	Red Lady No. 100773-P
GYPSY GIRL IV , by.....	Master Briar No. 1261-B
No. 257646	Woodlands

and eight other brood matrons with the blood of sixteen champions on one side, and twelve on the other, of the English and American field.

We own Ken El Capitan Royan, one of the finest-looking stud airdales in the country, Buddie Boy a good second in looks, and his full brother, Kan Dandy—these dogs are at service. The fee is \$10.00, or we will make an equitable puppy arrangement.

Our kennels are managed by a man who has been breeding and loving animals for forty years, and his experience is at your command.

We have for some time been cultivating and sending to our friends, Dog Grass. You have seen your or other dogs eating grass; there is a certain grass which they hunt for and they love it. After some few trials, we have successfully grown this grass, and decided to put it in packages for the benefit of our customers.

Try a package, and you will thank us for calling your attention to it. The price is 50c, Parcel Post prepaid.

If you are in the market for a puppy or a grown dog, let us hear from you. We have sold hundreds to pleased, satisfied customers, and will be glad to give you the benefit of our experience in your selection. We can furnish puppies at most all times, although it will happen that a customer will have to



A Reproduction of Photograph of
KEN EL CAPITAN ROYAN
(Our Best Stud Dog) Registered U. K. C.

wait a couple of weeks. We grade them in two classes: "A" and "B." Prices as follows:

CLASS "A"	
Price of 6-Weeks-Old Male Puppies.....	\$35.00
Price of 6-Weeks-Old Female Puppies.....	25.00

CLASS "B"	
Price of 6-Weeks-Old Male Puppies.....	\$25.00
Price of 6-Weeks-Old Female Puppies.....	20.00

We are sole agents for the 3A Specific Remedies for Dogs, and a postal will bring the 3A circular—

"All About Airdales," by Palmer. Price, \$1.00 per copy.

If at any time, you want any advice regarding the care of your animals, write us and we will do our best.

The tails of airdale puppies will be cut free of charge for our customers.

If, at any time, you are in Baltimore, we will be glad to have you visit our kennels by appointment.

Dog Foods, Remedies, Etc.



Standard Dog Food—A food for dogs and puppies. The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are Price of Food, 1 lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$6.50. Price subject to change.

Spratt's Meat Fibrine Vegetable Dog Cakes—A staple food for all breeds; too well known to be described. Price, 1 lb. 15c; 100 lbs. \$12.50. Price subject to change.

Spratt's Puppy Biscuits—The standard puppy food. 1 lb. 15c; 100 lbs. \$13.50.

Spratt's Fibo—An appetizing and flesh-forming food for puppies and dogs out of condition. Pkg. 35c, postpaid 42c.

Spratt's Charcoal Biscuit—35c pkg., postpaid 42c.

Spratt's Cod Liver Oil Biscuit—35c pkg., postpaid 42c.

Spratt's White Dog Soap—Death to fleas. Price, 25c. Mailing ing weight, 1 lb.

Spratt's Ovals—The Pocket Dog Biscuit. 35c, postpaid 42c.

Spratt's Cooling and Alterative Tablets—For heated blood, etc. 60c.

Spratt's Anti-Rickets Tablets—A bone and muscle builder. 60c.

Spratt's Anti-Asthmatic Tablets—For Asthma, etc. 60c.

Spratt's Bone Builder—For Rickets, Osteoporosis, etc. 75c.

Spratt's Choera Tablets—For Chorea, St. Vitus' Dance, etc. 60c.

Spratt's Chronic Skin Disease Tablets—For obstinate cases of Mange and Eczema. 60c.

Spratt's Cough Tablets—Generally effect a quick cure. 60c.

Spratt's Constipation Tablets—A gentle and effective laxative. 60c.

Spratt's Digestive Tablets—For severe cases of indigestion. 60c.

Spratt's Diarrhoea Tablets. 60c.

Spratt's Distemper Tablets—May be used as a preventive. \$1.00.

Spratt's Ear Canker Ointment—For both internal and external forms of this disease. 60c.

Spratt's Eye Lotion Tablets—A safe and efficient remedy. 60c.

Spratt's Eczema and Sarcopic Mange Medicine—60c.

Spratt's Hair Stimulant and Restorer—60c.

Spratt's Jaundice Tablets—Valuable in treating "Yellows," etc. 60c.

Spratt's Kidney Tablets—For Cystitis or Inflammation of the Bladder, etc. 60c.

Spratt's Liniment—For Rheumatism, Sprains, etc. 60c.

Spratt's Locurium Ointment—60c.

Spratt's Mange Medicine—60c.

Spratt's Mouth and Throat Wash—For Ulceration of the Mouth, Sore Gums, etc. 60c.

PRICES INCLUDE POSTAGE, EXCEPT WHERE NOTED

Sergeant's Dog Remedies

- Distemper Medicine**—Price, \$1.20. By mail, \$1.25.
- Mange Medicine**—Price, 65c. Not mailable.
- Condition Pills**—Price, 60c. Postpaid.
- Sure Shot Capsules**—Price, 60c. Postpaid.
- Sure Shot Liquid**—Price, 60c. Not mailable.
- Arsenic and Iron Pills**—Price, 60c. Postpaid.
- Dog Rub (a Liniment)**—Price, 60c. Not mailable.
- Canker Wash**—Price, 60c. Not mailable.
- Cough Medicine**—Price, 60c. Not mailable.
- Well Mouth (Sore Mouth and Black Tongue)**—Price, 60c. Not mailable.
- Eye Wash**—Price, 60c. Not mailable.
- Tape Worm Medicine**—Price, 60c. Postpaid.
- Rheumatism Pills**—Price, 60c. Postpaid.
- Constipation Capsules**—Price, 30c. Postpaid.
- Skip-Flea Soap**—Price, 25c. Postpaid.
- Carbolic-Tar Soap**—Price, 25c. Postpaid.

Send for special book on dogs—Spratt's and Sergeants.

Pure Cedar Bedding

FOR USE WITH DOGS, POULTRY AND PETS
A Preventive of Disease and Vermin

NO FLEAS, NO VERMIN, NO DISEASE where Cedar Bedding is used.

ENDORSED BY DOG HOSPITALS and large kennels of the country and by many Poultry Fanciers.

Owing to the large number of calls for small packages of our Cedar Bedding to be sent by Parcel Post, we are now putting it up in 1-lb. packages, and sending by Parcel Post. 40c per package, prepaid. Stamps will be accepted.

PRICES OF CEDAR BEDDING

100-lb. bales	\$6.50
50-lb. bales	3.75
25-lb. bales	2.25
1-lb. bales, postpaid .....	.40



A Sure Way To Make Your Plants Grow To Perfection!

THE real secret in making plants grow to perfection lies in having a rich fertile soil. Plants require a generous supply of plant food and a loose, mellow soil well supplied with organic matter in which to develop their real beauty. So if you wish your plants to grow luxuriantly, let your first thought be the preparation of a rich fertile soil.

Wizard Sheep and Cow Manures are natural concentrated plant foods that will make your soil rich and fertile. They supply the essential organic matter to make soils mellow and friable, insuring strong root growth. Wizard Manures are concentrated, convenient and absolutely weedless. Their concentrated strength goes a long way—ONE BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE. There is nothing better than manure to make plants grow and these concentrated manures will make your plants grow to perfection. They are not chemical stimulants, but are real plant foods that have a lasting beneficial effect on your soil.

LAWNS—Wizard Sheep Manure produces a thick velvety green turf of lasting beauty. Give your lawn an application of Wizard early in spring and you will be surprised at the new beauty it will develop. In making new lawns, broadcast 10 pounds to every 100 square feet and rake into the surface soil. On old lawns, rake well and broadcast 6 to 10 pounds per 100 square feet.

FLOWER GARDENS—Luxuriant green foliage and a

wealth of vivid colored flowers are the result of feeding your plants Wizard. In making new plantings be sure the soil under the roots is rich and fertile. Applications during the growing season will put new life into your plants and prolong the blooming period. Apply 6 to 10 pounds per 100 square feet. In new plantings a handful or more mixed with the soil under each plant will insure strong rugged growth.

VEGETABLES AND FRUITS—If you want a big crop of crisp tender vegetables, be sure to use Wizard. Every gardener knows that there is nothing better than manure for vegetables. Wizard improves the yield, color and flavor of fruit crops. A profitable fertilizer for the practical growers.

FLORISTS—Wizard Sheep and Cow Manures have been the standard of quality for 17 years. For feeding and liquid manuring Wizard Sheep Manure is unexcelled. Shredded Cow Manure makes an ideal mulch and supplies sufficient plant food to grow big crops of highest quality. You need manure to grow plants at a profit and it pays to use Wizard.



WIZARD BRAND COW OR CATTLE MANURE (Shredded)—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$12.50; 1,000 lbs. \$24.00; per ton, \$45.00.

WIZARD BRAND SHEEP MANURE—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$12.50; 1,000 lbs. \$24.00; per ton, \$45.00.

Don't Plant Without

WIZARD Sheep Manure

TRADE BRAND MARK

FERTILIZERS AND PLANT FOODS

For the Farm, Garden, Lawn and House Plants

All Prices on Fertilizers Are Subject to Market Changes

Agents for **OBERS FERTILIZERS**

ASPARAGUS SALT—Applied in spring 600 to 800 lbs. per acre, for destroying weeds. 56 lb. \$1.25; original sack, 140 lbs. \$2.25.
BLOOD (DRIED)—For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 1 lb. 15c; 5 lb. 60c; \$1.00 per 10 lb.; 25 lbs. \$2.00; \$3.75 per 50 lbs.; 100 lbs. \$7.00; \$12.00 per 200 lbs.

BONE MEAL (Ober's Pure 3-50)—Splendid article for building up wornout soil, lawns, etc. 1 lb. 6c; 10 lb. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 200 lbs. \$6.00; ton, \$52.00.

BONE MEAL (Ober's 4 1/4-48)—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. Does not burn. We recommend this especially for greenhouses or any purpose where a high-class slow acting fertilizer counts. 1 lb. 6c; 10 lbs. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 200 lbs. \$6.50; ton, \$60.00.

BONE FLOUR—Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs. 50c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00; 200 lbs. \$8.50.

FLEURETTE—A Liquid Plant Food. Makes strong and rapid growth. To be diluted with water as per directions. 1/4 pt. 25c; 1 pt. 40c; 1 qt. 75c. Not mailable.

LAND PLASTER—Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c for 10 lbs.; 25 lbs. 60c; \$1.00 for 50 lbs.; 100 lbs. \$1.75; \$3.25 for 200 lbs.

LIME (Hydrated or Powdered)—Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or 1/2 ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. \$1.00; 100 lbs. \$1.75; 500 lbs. \$6.25; 1,000 lbs. \$11.50. Ton prices on application.

MURIATE OF POTASH—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent actual potash. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

NITRATE OF SODA—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb. 15c; 50c per 5 lbs. Larger quantities on application.

SULPHATE OF POTASH—Fine for roses. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

OBERS STARKEY TRUCK COMPOUND 4-8-5—The highest grade we have to offer. \$40.75 per ton; 167 lb. bag \$4.50.

OBERS SPECIAL PLANT FOOD 2-9-5—The best fertilizer for general truck farming, such as cabbage, lettuce, spinach, etc. 1 lb. 6c; 25 lb. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.25; 167 lb. bag, \$4.50; ton \$34.00.

OBERS SOL. AMM. SUPER PHOS. OF LIME 2-8-2—For potatoes and general crop. Ton, \$31.00; bag, \$3.75.

OBERS SPECIAL COMPOUND FOR TOBACCO 3-8-3—Ton, \$35.00; 167-lb. bag, \$4.75.

OBERS FARMERS' MIXTURE FERTILIZER 1-9-2—To be highly recommended for potatoes and vegetables. 167-lb. bag \$3.50; ton \$27.50.

PHOSPHATE, HIGH-GRADE ACID TENNESSEE OR SOUTH CAROLINA ROCK—16 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. Price, \$17.50 per ton; 167-lb. bag, \$2.50.

PREFABED FIBRE—Grow your House Bulbs without soil, drainage or saucers. Highly recommended. 1 qt. 10c; 4 qts. 25c; pk. 40c; bu. \$1.15. Parcel post weight, 14 lbs. per bushel.

STERILIZED HUMUS (Leaf Mold)—Fine for lawns, replanting and repotting. 4c lb.; 10 lb. 35c; 50 lb. \$1.50; 100 lb. \$2.50; 500 lb. \$10.00; 1,000 lb. \$18.50, last four sizes delivered. Ton and car load price on application.

TANKAGE (Special Florist)—Lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 100 lbs. \$3.50; 1/2 ton, \$27.50; 1 ton, \$52.00.

Premier Brand Pulverized Poultry Manure

For the Lawn, Vegetable, Flower, Fruit, Garden and for House Plants.

Packed in 5 and 10-lb. Containers and 25, 50 and 100-lb. bags.

Thoroughly sterilized and scientifically processed without any loss of the essential Plant Food Elements and in no way has the value of the organic matter, of which it is composed, been impaired.

Flowers—Applied as a top dressing or, in solution as a liquid manure produces marvelous growth and coloring.

Lawns—Especially well adapted for lawns being free from weed seeds and no objectionable odor following application.

Vegetables and Fruits—Both these crops need nitrogen in large quantities as well as potash in quickly available form. This fertilizer produces quick growth, rapid development and large yields. It is ideal for garden use. Old lawns 30 to 50 lbs. per 1,000 sq. feet. New lawns 40 to 60 lbs. per 1,000 sq. feet. Home gardens 3 to 5 lbs. per 100 sq. feet. Trees 3 to 5 lbs. each. Vines and Bushes 1 lb. each. Golf Courses and putting greens 50 to 60 lbs. per 1,000 sq. feet. Fairways 30 to 40 lbs. per 1,000 sq. feet. Fruits and Vegetables 1,000 to 1,200 lbs. per acre. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; ton, \$45.00.



STERLINGWORTH PLANT FOOD TABLETS—1 tablet to 1 pint of water. Price, large size, 25c; trial size, 10c, postpaid.

STIM-O-PLANT

An All-the-Year Fertilizer for Garden and House Plants.

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-plant, an odorless, highly concentrated plant food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. The proportions are accurate, there is no wasted filler, and in this form you apply plant-food exactly when and where and as needed. Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package. Order Stim-U-plant tablets with your seed and plant order. Price, trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000, \$3.50.

TOBACCO STEMS—For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

TOBACCO DUST—See page 47.

White Rose Plant Food

puts **PEP** into
**LAWNS,
FLOWERS & SHRUBS**

Buy a Package and

Watch
Em Grow

WHITE ROSE PLANT FOOD is scientifically prepared by experts after exhaustive study and experiment. The ingredients are of such a nature that the plant is supplied with food during all stages of its growth.

ANALYSIS:—Ammonia 5 per cent, Available Phosphoric Acid 8 per cent, Potash (Soluble in water) 3 per cent.

For old lawns apply at the rate of 2 lbs. to every 100 square feet, for new lawns at the rate of 2 1/4 lbs. to every 100 square feet.

Packed in the following sizes:—1 lb. pkg 25c, 5 lb. pkg. 75c, 10 lb. pkg. \$1.25. 25 lb. bag \$2.50, 50 lb. bag \$4.00, 100 lb. bag \$6.50.

For parcel post add your zone rate.

OBER'S

Fertilizers



Oldest in America
Since 1840



For Prices and Analysis See Third Cover